

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

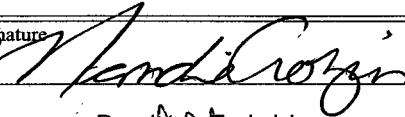
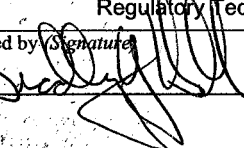
APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-16535
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Monument Butte
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Mon. Butte Federal N-35-8-16
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43013-33872
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NE/SW 1856' FSL 1871' FWL At proposed prod. zone 2642' FSL 1321' FWL		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximately 11.6 miles southwest of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 35, T8S R16E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 2638' f/lse, 2638' f/unit	16. No. of Acres in lease 920.00	17. Spacing Unit dedicated to this well 20 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1368'	19. Proposed Depth 6470'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5570' GL	22. Approximate date work will start* 1st Quarter 2008	23. Estimated duration Approximately seven (7) days from spud to rig release.
24. Attachments		

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 12/11/07
Title Regulatory Technician		
Approved by Signature 	Name (Printed/Typed) BRADLEY G. HILL	Date 01-31-08
Title Officer	ENVIRONMENTAL MANAGER	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

Federal Approval of this  
Action is Necessary

RECEIVED

JAN 14 2008

DIV. OF OIL, GAS & MINING

Surf

577709X  
4435960Y  
40.072216  
-110.088702

BHL

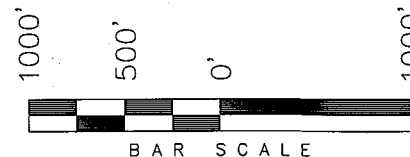
577539X  
4436198Y  
40.074375  
-110.09458

**T8S, R16E, S.L.B.&M.**

N89°56'W - 80.04 (G.L.O.)

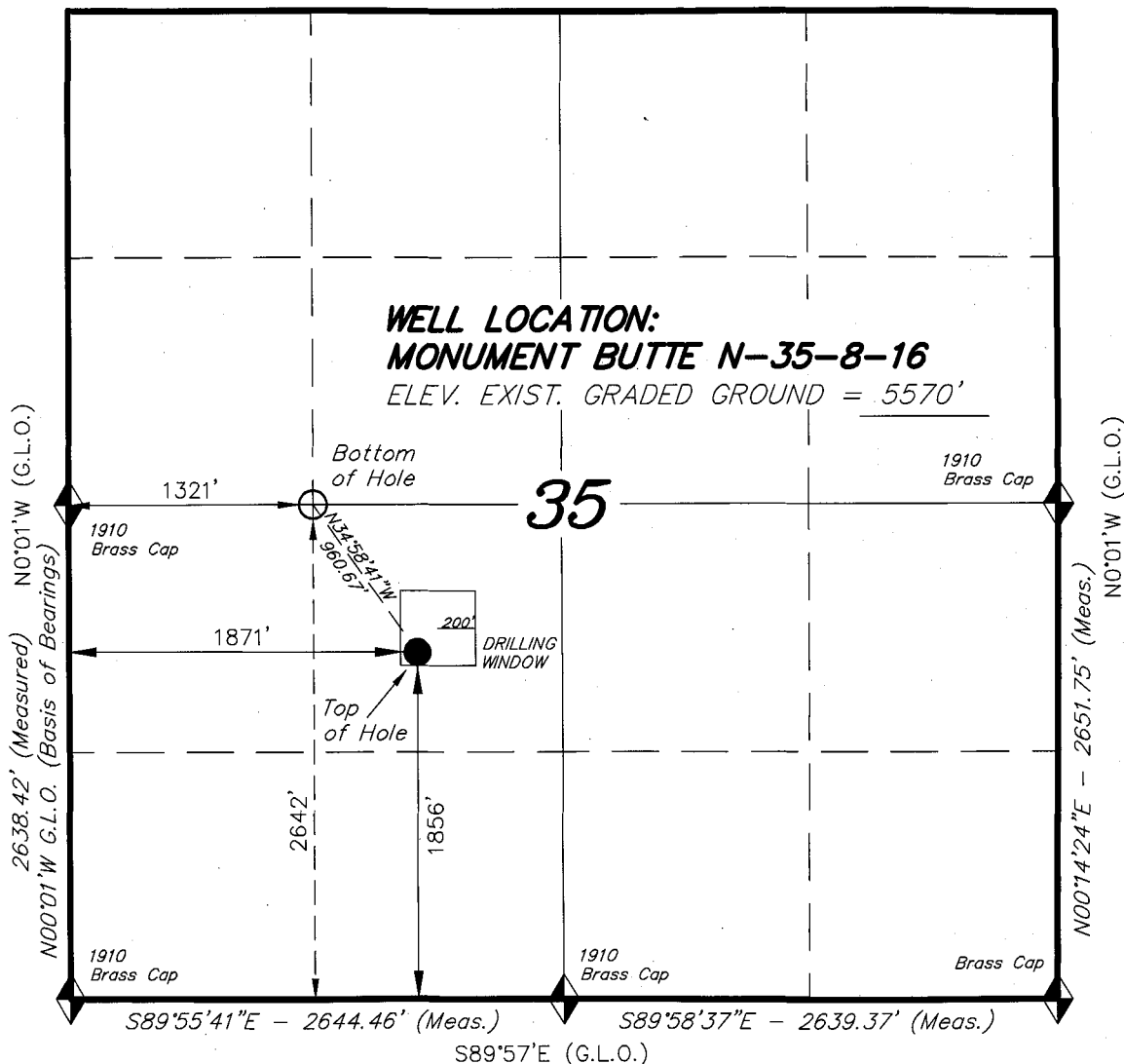
**NEWFIELD PRODUCTION COMPANY**

WELL LOCATION, MONUMENT BUTTE  
N-35-8-16, LOCATED AS SHOWN IN THE  
NE 1/4 SW 1/4 OF SECTION 35, T8S,  
R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

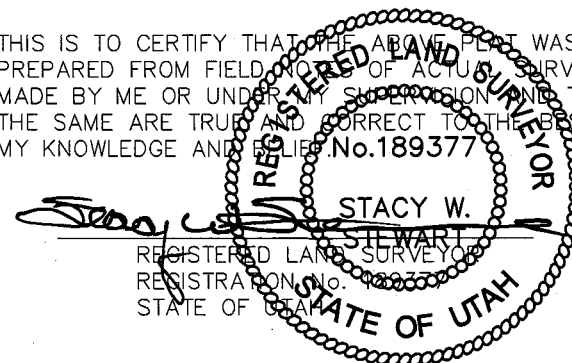


**Note:**

The bottom of hole bears N34°58'41"W  
960.67' from the Well head.



THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS  
PREPARED FROM FIELD AND OFFICE SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**MONUMENT BUTTE N-35-8-16**  
(Surface Location) NAD 83  
LATITUDE = 40° 04' 20.07"  
LONGITUDE = 110° 05' 21.82"

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 09-26-07	SURVEYED BY: T.H.
DATE DRAWN: 10-11-07	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

**NEWFIELD PRODUCTION COMPANY  
MONUMENT BUTTE FEDERAL #N-35-8-16  
AT SURFACE: NE/SW SECTION 35, T8S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 2390'
Green River	2390'
Wasatch	6470'

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 2390' – 6470' - Oil

**4. PROPOSED CASING PROGRAM**

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

Please refer to the Monument Butte Field SOP. See Exhibit "C".

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the Monument Butte Field SOP.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

**8. TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

**10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.



**Scientific Drilling**  
Rocky Mountain Operations

Project: Duchesne County, UT  
Site: Monument Butte N-35-8-16  
Well: Monument Butte N-35-8-16  
Wellbore: OH  
Design: Plan #1

**NEWFIELD**



**Newfield Exploration Co.**

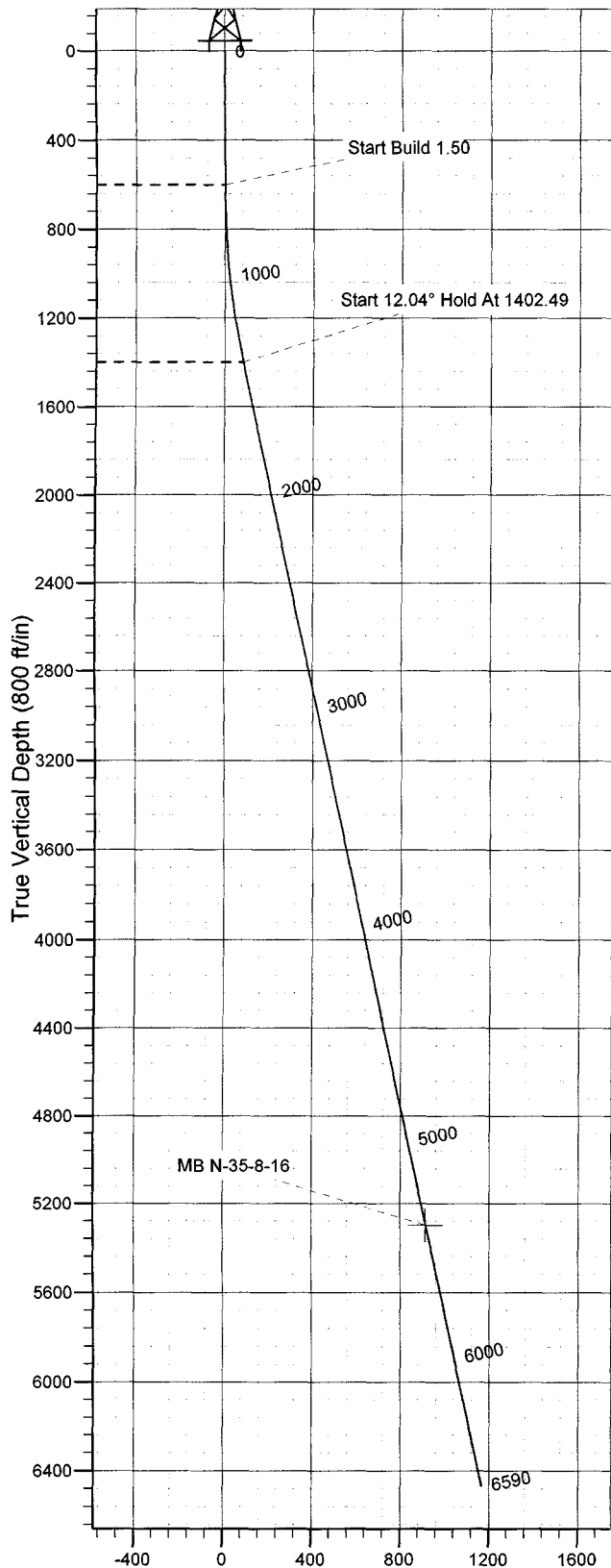
WELL DETAILS: Monument Butte N-35-8-16

GL 5570' & RKB 12' @ 5582.00ft (NDSI 2) 5570.00  
+N/-S +E/-W Northing Easting Latitude Longitude Slot  
0.00 0.00 7198165.04 2035150.52 40° 4' 20.070 N 110° 5' 21.820 W

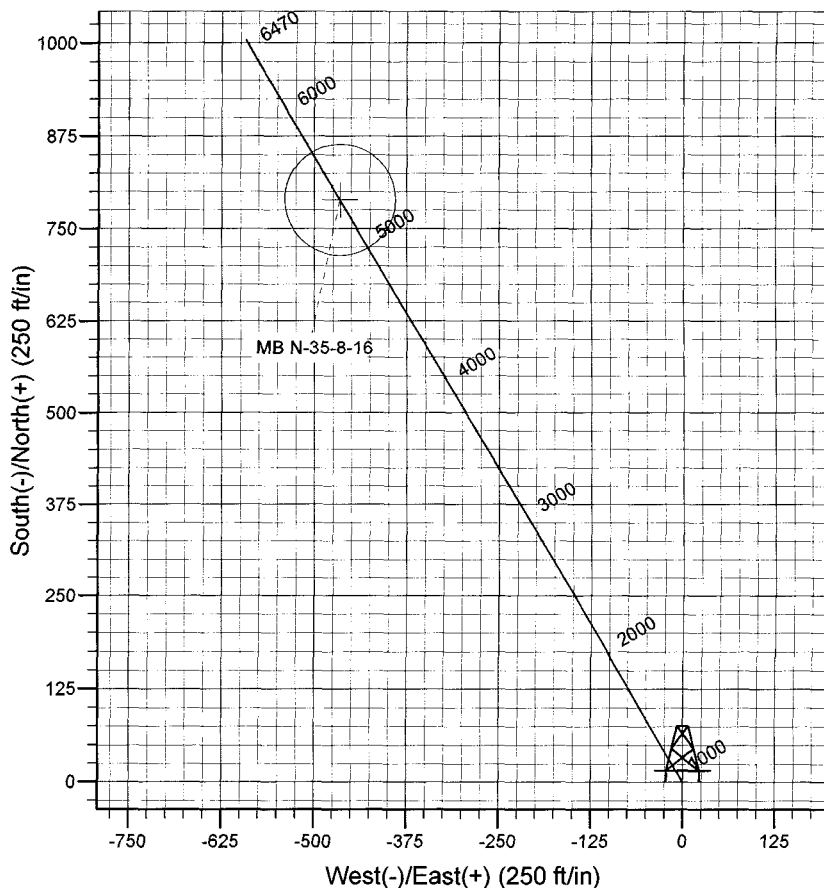


Azimuths to True North  
Magnetic North: 11.77°

Magnetic Field  
Strength: 52650.4snT  
Dip Angle: 65.91°  
Date: 2007-12-12  
Model: IGRF2005-10



Vertical Section at 329.43° (800 ft/in)



FORMATION TOP DETAILS

Plan: Plan #1 (Monument Butte N-35-8-16/OH)

Created By: Rex Hall Date: 2007-12-12

PROJECT DETAILS: Duchesne County, UT

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Utah Central Zone

System Datum: Mean Sea Level  
Local North: True

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
3	1402.49	12.04	329.43	1396.60	72.32	-42.71	1.50	329.43	83.99	
4	5393.65	12.04	329.43	5300.00	789.00	-466.00	0.00	0.00	916.34	MB N-35-8-16
5	6589.95	12.04	329.43	6470.00	1003.82	-592.88	0.00	0.00	1165.83	

# **Newfield Exploration Co.**

**Duchesne County, UT**

**Monument Butte N-35-8-16**

**Monument Butte N-35-8-16**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**12 December, 2007**

# Scientific Drilling

## Planning Report

<b>Database:</b>	EDM_OCT_1	<b>Local Co-ordinate Reference:</b>	Well Monument Butte N-35-8-16
<b>Company:</b>	Newfield Exploration Co.	<b>TVD Reference:</b>	GL 5570' & RKB 12' @ 5582.00ft (NDSI 2)
<b>Project:</b>	Duchesne County, UT	<b>MD Reference:</b>	GL 5570' & RKB 12' @ 5582.00ft (NDSI 2)
<b>Site:</b>	Monument Butte N-35-8-16	<b>North Reference:</b>	True
<b>Well:</b>	Monument Butte N-35-8-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1		

<b>Project</b>	Duchesne County, UT		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

Site	Monument Butte N-35-8-16, Sec 35 T8S R16E				
Site Position:		Northing:	7,198,165.04 ft	Latitude:	40° 4' 20.070 N
From:	Lat/Long	Easting:	2,035,150.52 ft	Longitude:	110° 5' 21.820 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	0.90 °

Well	Monument Butte N-35-8-16, 1856' FSL & 1871' FWL					
Well Position	+N/-S	0.00 ft	Northing:	7,198,165.04 ft	Latitude:	40° 4' 20.070 N
	+E/-W	0.00 ft	Easting:	2,035,150.52 ft	Longitude:	110° 5' 21.820 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,570.00 ft

<b>Wellbore</b>	OH					
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>	
	IGRF2005-10	2007-12-12	11.77	65.91	52,650	

<b>Design</b>	Plan #1				
<b>Audit Notes:</b>					
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00	
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	329.43	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,402.49	12.04	329.43	1,396.60	72.32	-42.71	1.50	1.50	0.00	329.43	
5,393.65	12.04	329.43	5,300.00	789.00	-466.00	0.00	0.00	0.00	0.00	MB N-35-8-16
6,589.95	12.04	329.43	6,470.00	1,003.82	-592.88	0.00	0.00	0.00	0.00	

# Scientific Drilling

## Planning Report

Database: EDM\_OCT\_1  
 Company: Newfield Exploration Co.  
 Project: Duchesne County, UT  
 Site: Monument Butte N-35-8-16  
 Well: Monument Butte N-35-8-16  
 Wellbore: OH  
 Design: Plan #1

Local Co-ordinate Reference: Well Monument Butte N-35-8-16  
 TVD Reference: GL 5570' & RKB 12' @ 5582.00ft (NDSI 2)  
 MD Reference: GL 5570' & RKB 12' @ 5582.00ft (NDSI 2)  
 North Reference: True  
 Survey Calculation Method: Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Start Build 1.50</b>									
700.00	1.50	329.43	699.99	1.13	-0.67	1.31	1.50	1.50	0.00
800.00	3.00	329.43	799.91	4.51	-2.66	5.23	1.50	1.50	0.00
900.00	4.50	329.43	899.69	10.14	-5.99	11.77	1.50	1.50	0.00
1,000.00	6.00	329.43	999.27	18.02	-10.64	20.92	1.50	1.50	0.00
1,100.00	7.50	329.43	1,098.57	28.14	-16.62	32.68	1.50	1.50	0.00
1,200.00	9.00	329.43	1,197.54	40.49	-23.92	47.03	1.50	1.50	0.00
1,300.00	10.50	329.43	1,296.09	55.07	-32.53	63.96	1.50	1.50	0.00
1,400.00	12.00	329.43	1,394.16	71.87	-42.45	83.47	1.50	1.50	0.00
1,402.49	12.04	329.43	1,396.60	72.32	-42.71	83.99	1.50	1.50	0.00
<b>Start 12.04° Hold At 1402.49</b>									
1,500.00	12.04	329.43	1,491.97	89.83	-53.05	104.32	0.00	0.00	0.00
1,600.00	12.04	329.43	1,589.77	107.78	-63.66	125.18	0.00	0.00	0.00
1,700.00	12.04	329.43	1,687.57	125.74	-74.26	146.03	0.00	0.00	0.00
1,800.00	12.04	329.43	1,785.37	143.70	-84.87	166.89	0.00	0.00	0.00
1,900.00	12.04	329.43	1,883.17	161.65	-95.48	187.74	0.00	0.00	0.00
2,000.00	12.04	329.43	1,980.97	179.61	-106.08	208.60	0.00	0.00	0.00
2,100.00	12.04	329.43	2,078.77	197.57	-116.69	229.45	0.00	0.00	0.00
2,200.00	12.04	329.43	2,176.57	215.52	-127.29	250.31	0.00	0.00	0.00
2,300.00	12.04	329.43	2,274.37	233.48	-137.90	271.16	0.00	0.00	0.00
2,400.00	12.04	329.43	2,372.18	251.44	-148.50	292.02	0.00	0.00	0.00
2,500.00	12.04	329.43	2,469.98	269.40	-159.11	312.87	0.00	0.00	0.00
2,600.00	12.04	329.43	2,567.78	287.35	-169.72	333.73	0.00	0.00	0.00
2,700.00	12.04	329.43	2,665.58	305.31	-180.32	354.58	0.00	0.00	0.00
2,800.00	12.04	329.43	2,763.38	323.27	-190.93	375.44	0.00	0.00	0.00
2,900.00	12.04	329.43	2,861.18	341.22	-201.53	396.29	0.00	0.00	0.00
3,000.00	12.04	329.43	2,958.98	359.18	-212.14	417.15	0.00	0.00	0.00
3,100.00	12.04	329.43	3,056.78	377.14	-222.74	438.00	0.00	0.00	0.00
3,200.00	12.04	329.43	3,154.59	395.09	-233.35	458.86	0.00	0.00	0.00
3,300.00	12.04	329.43	3,252.39	413.05	-243.96	479.71	0.00	0.00	0.00
3,400.00	12.04	329.43	3,350.19	431.01	-254.56	500.57	0.00	0.00	0.00
3,500.00	12.04	329.43	3,447.99	448.96	-265.17	521.42	0.00	0.00	0.00
3,600.00	12.04	329.43	3,545.79	466.92	-275.77	542.28	0.00	0.00	0.00
3,700.00	12.04	329.43	3,643.59	484.88	-286.38	563.13	0.00	0.00	0.00
3,800.00	12.04	329.43	3,741.39	502.83	-296.98	583.99	0.00	0.00	0.00
3,900.00	12.04	329.43	3,839.19	520.79	-307.59	604.84	0.00	0.00	0.00
4,000.00	12.04	329.43	3,937.00	538.75	-318.19	625.70	0.00	0.00	0.00
4,100.00	12.04	329.43	4,034.80	556.71	-328.80	646.55	0.00	0.00	0.00
4,200.00	12.04	329.43	4,132.60	574.66	-339.41	667.41	0.00	0.00	0.00
4,300.00	12.04	329.43	4,230.40	592.62	-350.01	688.26	0.00	0.00	0.00
4,400.00	12.04	329.43	4,328.20	610.58	-360.62	709.12	0.00	0.00	0.00
4,500.00	12.04	329.43	4,426.00	628.53	-371.22	729.97	0.00	0.00	0.00
4,600.00	12.04	329.43	4,523.80	646.49	-381.83	750.83	0.00	0.00	0.00
4,700.00	12.04	329.43	4,621.60	664.45	-392.43	771.68	0.00	0.00	0.00
4,800.00	12.04	329.43	4,719.40	682.40	-403.04	792.54	0.00	0.00	0.00
4,900.00	12.04	329.43	4,817.21	700.36	-413.65	813.39	0.00	0.00	0.00

# Scientific Drilling

## Planning Report

**Database:** EDM\_OCT\_1  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Monument Butte N-35-8-16  
**Well:** Monument Butte N-35-8-16  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Monument Butte N-35-8-16  
**TVD Reference:** GL 5570' & RKB 12' @ 5582.00ft (NDSI 2)  
**MD Reference:** GL 5570' & RKB 12' @ 5582.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,000.00	12.04	329.43	4,915.01	718.32	-424.25	834.25	0.00	0.00	0.00
5,100.00	12.04	329.43	5,012.81	736.27	-434.86	855.10	0.00	0.00	0.00
5,200.00	12.04	329.43	5,110.61	754.23	-445.46	875.96	0.00	0.00	0.00
5,300.00	12.04	329.43	5,208.41	772.19	-456.07	896.81	0.00	0.00	0.00
5,393.65	12.04	329.43	5,300.00	789.00	-466.00	916.34	0.00	0.00	0.00
<b>MB N-35-8-16</b>									
5,400.00	12.04	329.43	5,306.21	790.14	-466.67	917.67	0.00	0.00	0.00
5,500.00	12.04	329.43	5,404.01	808.10	-477.28	938.52	0.00	0.00	0.00
5,600.00	12.04	329.43	5,501.81	826.06	-487.88	959.38	0.00	0.00	0.00
5,700.00	12.04	329.43	5,599.62	844.02	-498.49	980.23	0.00	0.00	0.00
5,800.00	12.04	329.43	5,697.42	861.97	-509.10	1,001.09	0.00	0.00	0.00
5,900.00	12.04	329.43	5,795.22	879.93	-519.70	1,021.94	0.00	0.00	0.00
6,000.00	12.04	329.43	5,893.02	897.89	-530.31	1,042.80	0.00	0.00	0.00
6,100.00	12.04	329.43	5,990.82	915.84	-540.91	1,063.65	0.00	0.00	0.00
6,200.00	12.04	329.43	6,088.62	933.80	-551.52	1,084.51	0.00	0.00	0.00
6,300.00	12.04	329.43	6,186.42	951.76	-562.12	1,105.36	0.00	0.00	0.00
6,400.00	12.04	329.43	6,284.22	969.71	-572.73	1,126.22	0.00	0.00	0.00
6,500.00	12.04	329.43	6,382.02	987.67	-583.34	1,147.07	0.00	0.00	0.00
6,589.95	12.04	329.43	6,470.00	1,003.82	-592.88	1,165.83	0.00	0.00	0.00

### Targets

#### Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
MB N-35-8-16 - plan hits target - Circle (radius 75.00)	0.00	0.00	5,300.00	789.00	-466.00	7,198,946.59	2,034,672.14	40° 4' 27.868 N	110° 5' 27.815 W

### Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
600.00	600.00	0.00	0.00	Start Build 1.50
1,402.49	1,396.60	72.32	-42.71	Start 12.04° Hold At 1402.49



**NEWFIELD PRODUCTION COMPANY  
MONUMENT BUTTE FEDERAL #N-35-8-16  
AT SURFACE: NE/SW SECTION 35, T8S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Monument Butte Federal #N-35-8-16 located in the NE 1/4 SW 1/4 Section 35, T8S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly - 6.2 miles  $\pm$  to it's junction with an existing dirt road to the southwest; proceed southwesterly - 2.8 miles  $\pm$  to it's junction with an existing road to the southeast; proceed southeasterly - 1.2 miles  $\pm$  the beginning of the access road to the existing Federal 4-35-8-16 well lcoation.

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Federal 4-35-8-16 well pad. See attached **Topographic Map "B"**.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

The proposed well will be drilled directionally off of the Federal 4-35-8-16 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Monument Butte Federal N-35-8-16. All permanent surface equipment will be painted Carlsbad Canyon.

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District  
Water Right: 43-10136

Neil Moon Pond  
Water Right: 43-11787

Maurice Harvey Pond  
Water Right: 47-1358

Newfield Collector Well  
Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. **SOURCE OF CONSTRUCTION MATERIALS**

The proposed Monument Butte Federal N-35-8-16 will be drilled off of the existing Federal 4-35-8-16 well pad. No additional surface disturbance will be required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

8. **ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

None for the Proposed Monument Butte Federal N-35-8-16.

**Reserve Pit Liner**

A 16 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Squirrell Tail	<i>Elymus Elymoides</i>	5 lbs/acre
Crested Wheatgrass	<i>Agropyron Cristatum</i>	5 lbs/acre
Gardner Saltbush	<i>Atriplex Gardneri</i>	0.5 lbs/acre
Shadscale	<i>Atriplex Confertifolia</i>	0.5 lbs/acre
Forage Kochia	<i>Kochia Prostrata</i>	0.25 lbs/acre

**Details of the On-Site Inspection**

The proposed Monument Butte Federal N-35-8-16 was on-sited on 11/20/07. The following were present; Dave Allred (Newfield Production), Michael Cutler (Bureau of Land Management), and Scott Ackerman (Bureau of Land Management).. Weather conditions were clear and ground cover was 100% open.

**LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

**Representative**

Name: Dave Allred  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

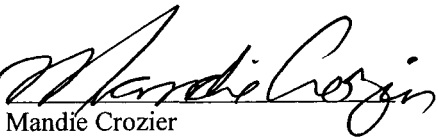
**Certification**

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #N-35-8-16 NE/SW Section 35, Township 8S, Range 16E: Lease UTU-16535 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

12/11/07

Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

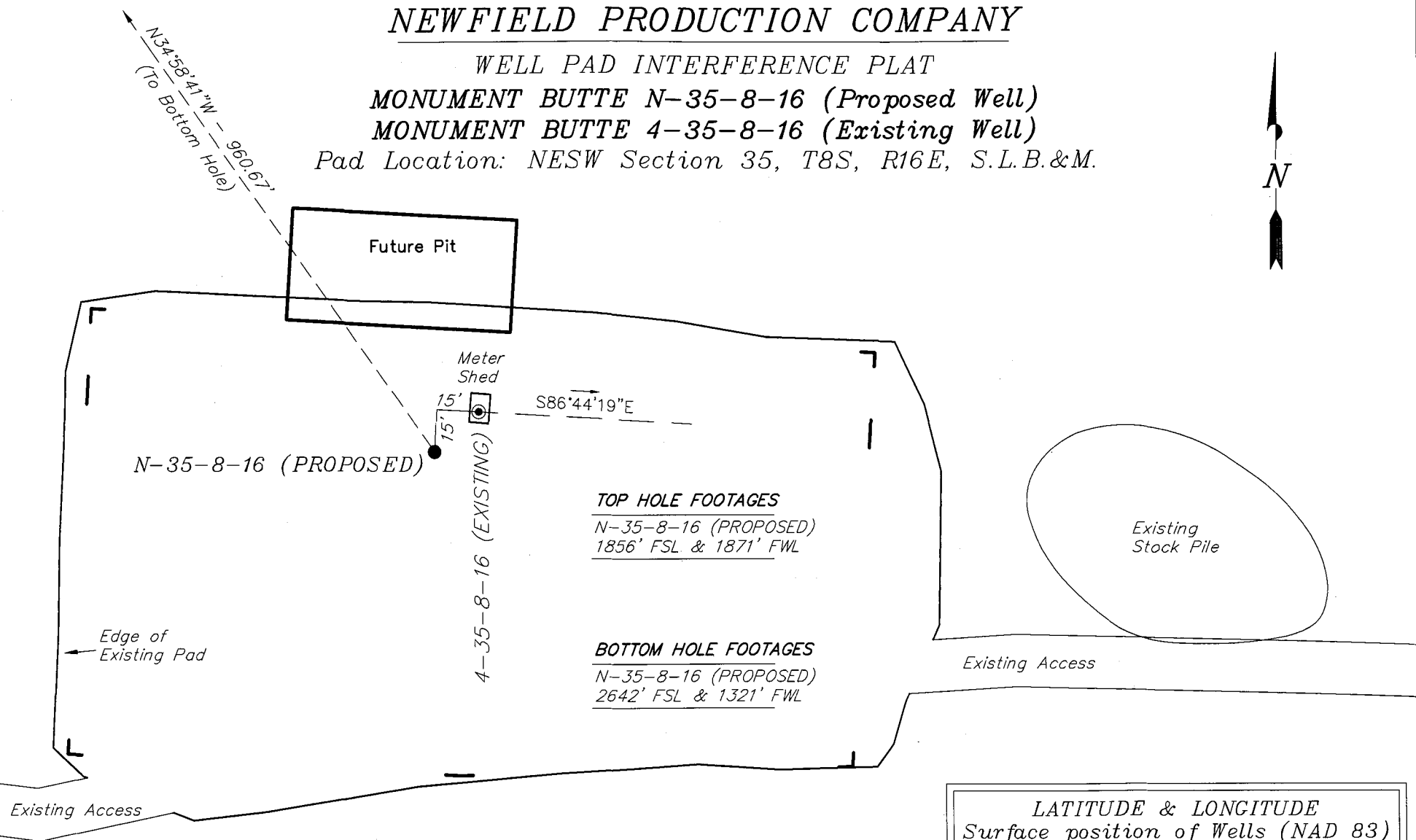
# NEWFIELD PRODUCTION COMPANY

## WELL PAD INTERFERENCE PLAT

MONUMENT BUTTE N-35-8-16 (Proposed Well)

MONUMENT BUTTE 4-35-8-16 (Existing Well)

Pad Location: NESW Section 35, T8S, R16E, S.L.B.&M.



### TOP HOLE FOOTAGES

N-35-8-16 (PROPOSED)  
1856' FSL & 1871' FWL

### BOTTOM HOLE FOOTAGES

N-35-8-16 (PROPOSED)  
2642' FSL & 1321' FWL

### RELATIVE COORDINATES From top hole to bottom hole

WELL	NORTH	EAST
N-35-8-16	787'	-551'

### Note:

Bearings are based on  
GLO information.

SURVEYED BY: T.H.	DATE SURVEYED: 09-26-07
DRAWN BY: F.T.M.	DATE DRAWN: 10-11-07
SCALE: 1" = 50'	REVISED:

### LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
N-35-8-16	40° 04' 20.07"	110° 05' 21.82"
4-35-8-16	40° 04' 20.21"	110° 05' 21.68"

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

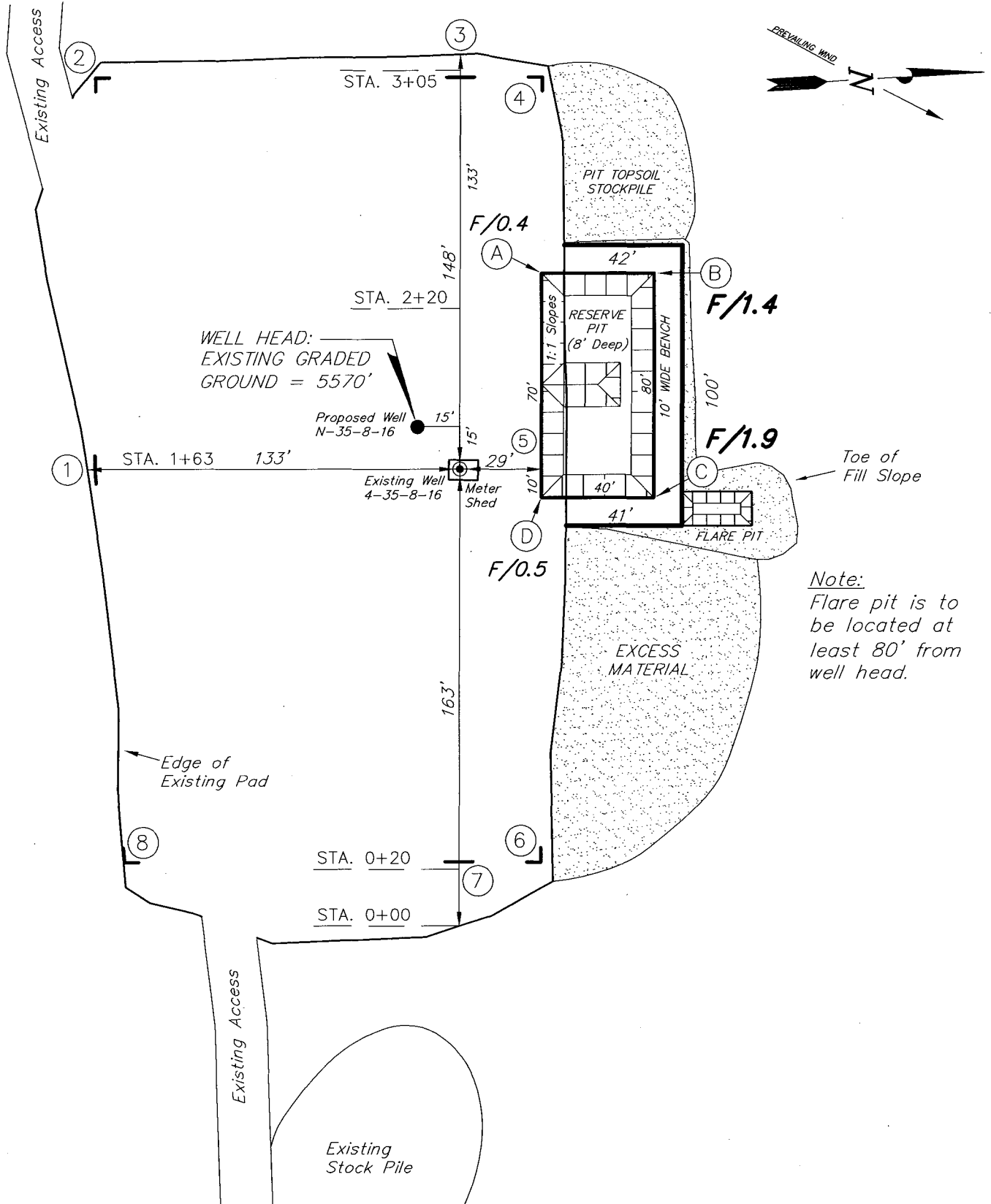
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

MONUMENT BUTTE N-35-8-16 (Proposed Well)

MONUMENT BUTTE 4-35-8-16 (Existing Well)

Pad Location: NESW Section 35, T8S, R16E, S.L.B.&M.



SURVEYED BY: T.H.	DATE SURVEYED: 09-26-07
DRAWN BY: F.T.M.	DATE DRAWN: 10-08-07
SCALE: 1" = 50'	REVISED:

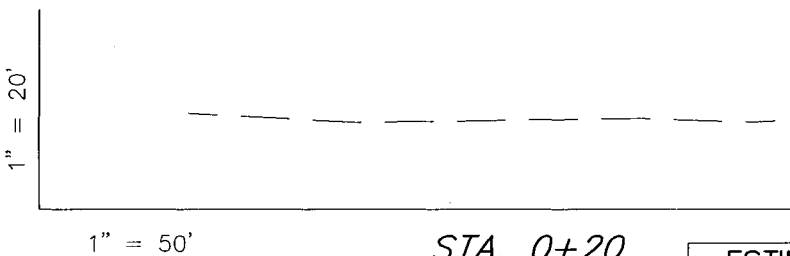
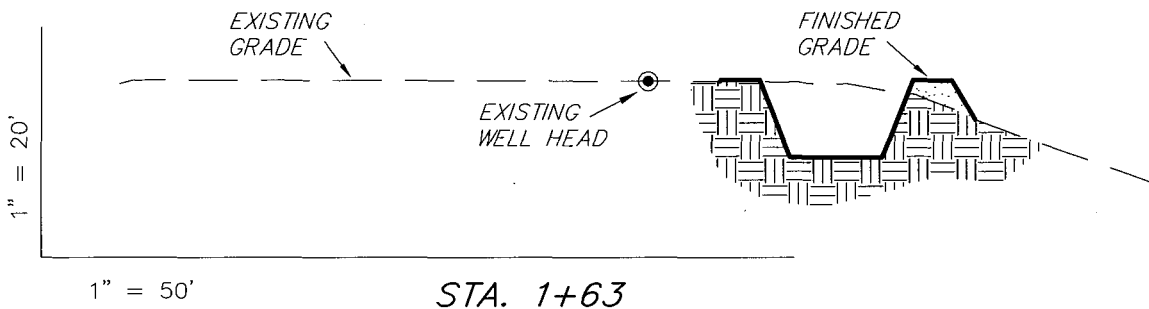
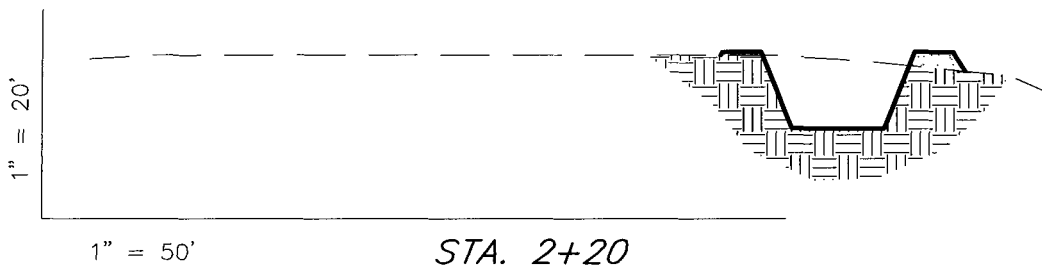
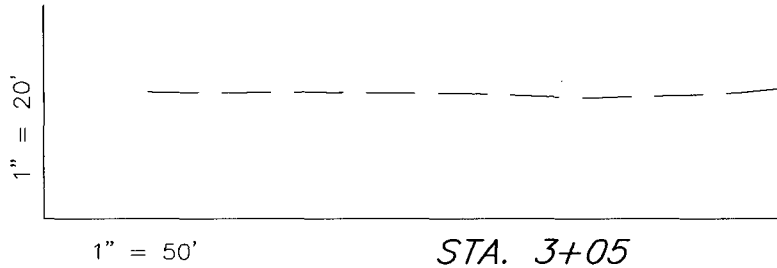
**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

MONUMENT BUTTE N-35-8-16 (Proposed Well)

MONUMENT BUTTE 4-35-8-16 (Existing Well)



NOTE:  
UNLESS OTHERWISE NOTED  
CUT SLOPES ARE AT 1:1  
FILL SLOPES ARE AT 1.5:1

### ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	0	310	Topsoil is not included in Pad Cut	-310
PIT	570	0		570
TOTALS	570	310	140	260

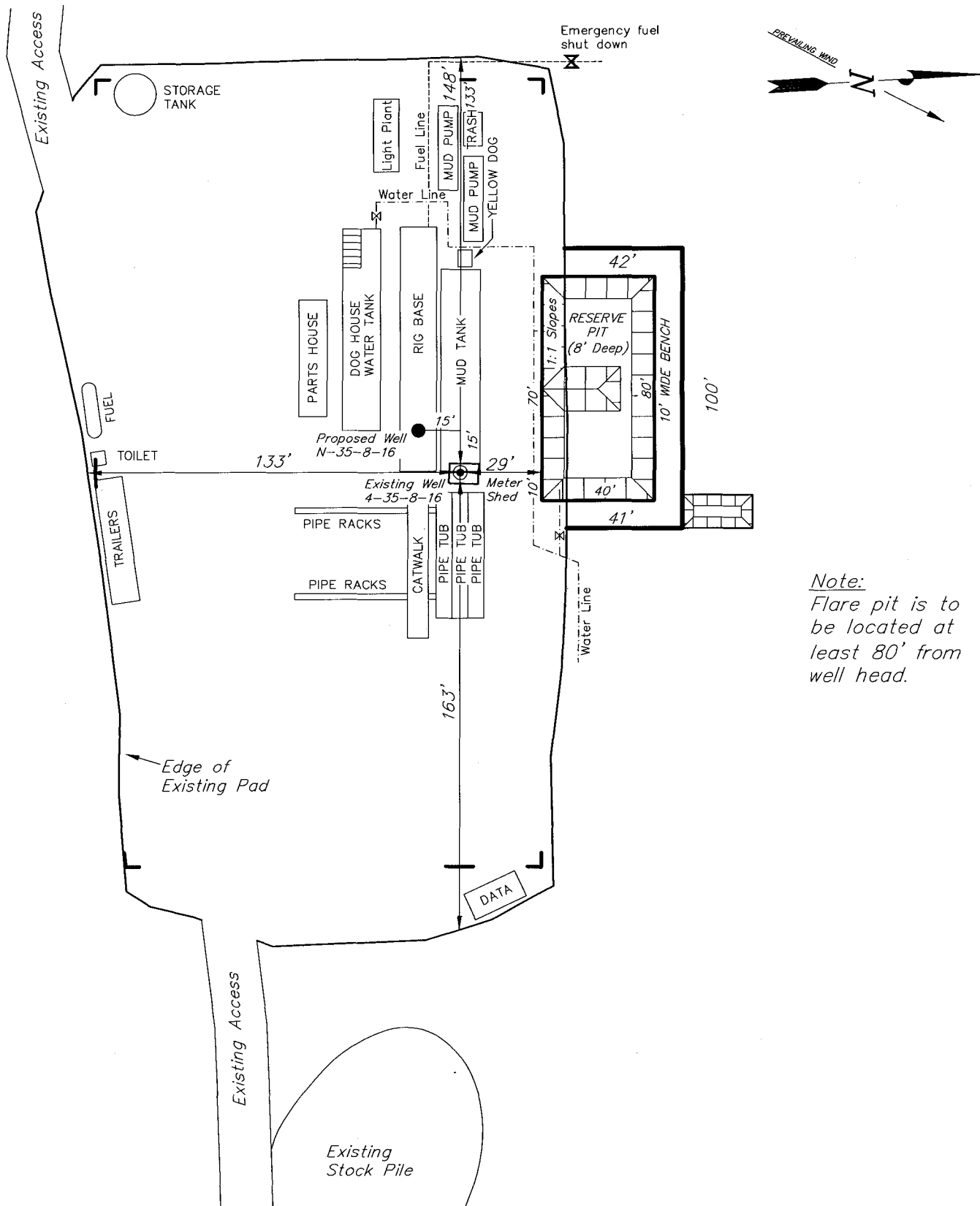
SURVEYED BY: T.H. DATE SURVEYED: 09-26-07  
DRAWN BY: F.T.M. DATE DRAWN: 10-08-07  
SCALE: 1" = 50' REVISED:

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

MONUMENT BUTTE N-35-8-16 (Proposed Well)  
 MONUMENT BUTTE 4-35-8-16 (Existing Well)



Note:  
 Flare pit is to be located at least 80' from well head.

SURVEYED BY: T.H.	DATE SURVEYED: 09-26-07
DRAWN BY: F.T.M.	DATE DRAWN: 10-08-07
SCALE: 1" = 50'	REVISED:

**Tri State**  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
 (435) 781-2501

# Newfield Production Company Proposed Site Facility Diagram

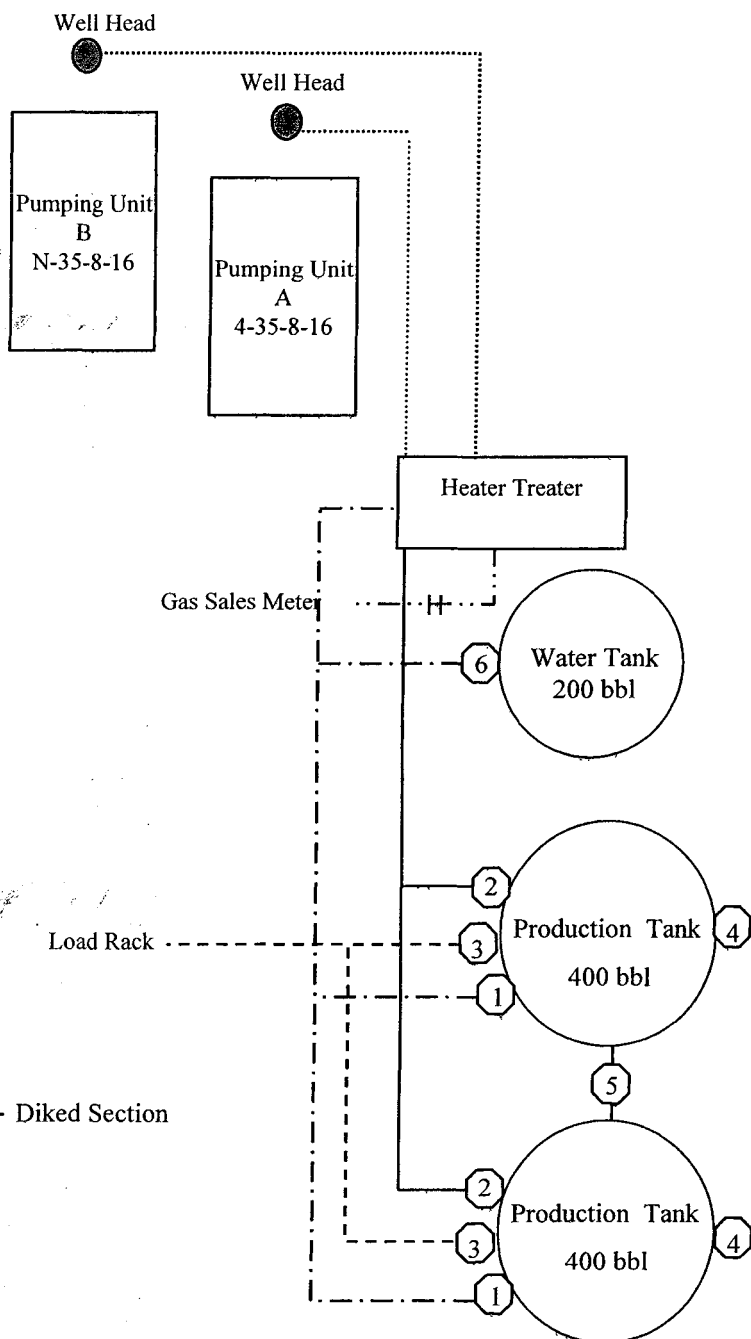
Monument Butte Federal N-35-8-16

From the 4-35-8-16 Location

NE/SW Sec. 35 T8S, R16E

Duchesne County, Utah

UTU-16535



Site Security Plan is held at the Pleasant Valley Office, Duchesne County, Utah

## Production Phase:

- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5, and 6 sealed open

## Sales Phase:

- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

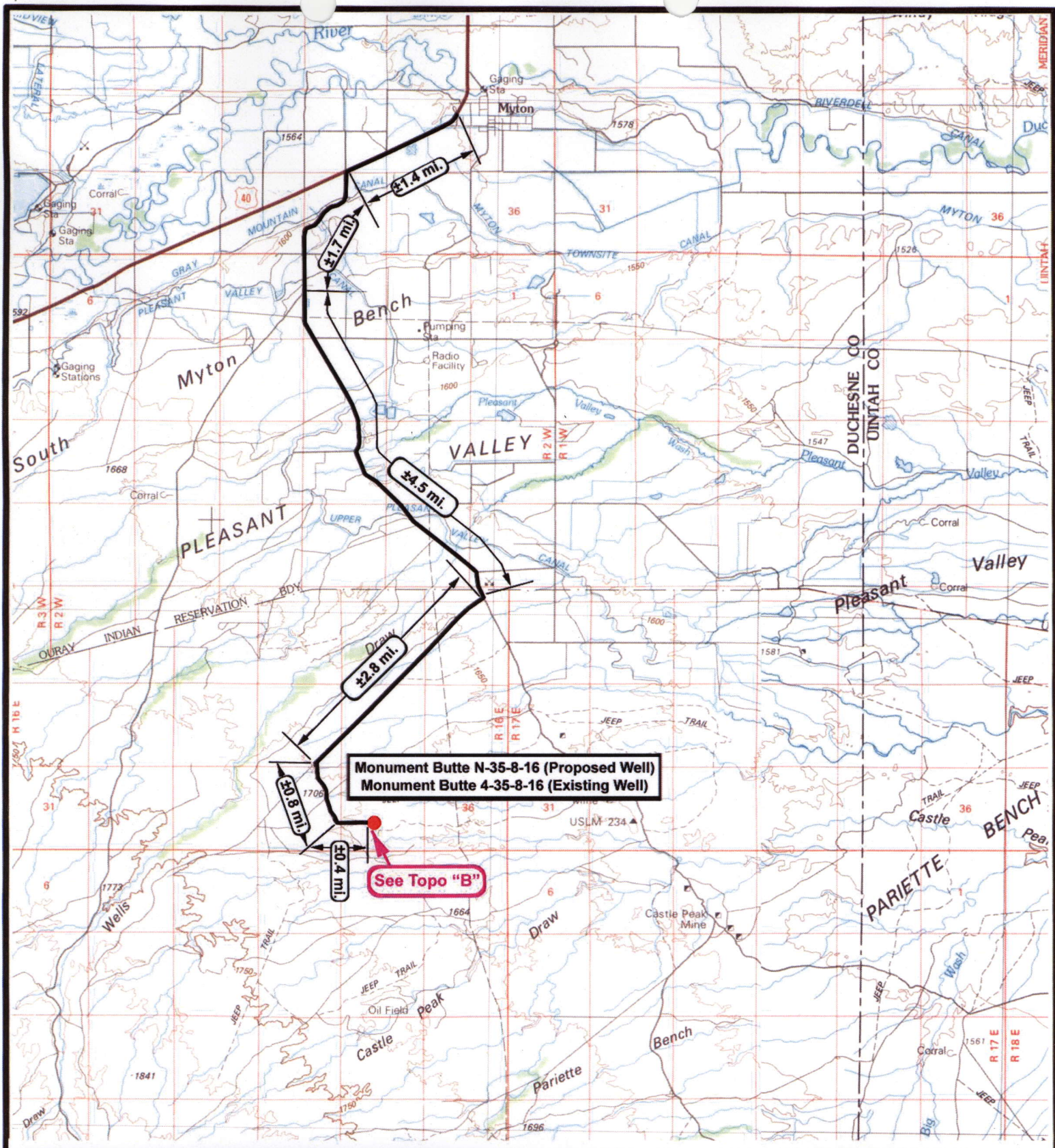
## Draining Phase:


- 1) Valves 1 and 6 open

## Legend

Emulsion Line	.....
Load Rack	-----
Water Line	-----
Gas Sales	-----
Oil Line	-----







**NEWFIELD**  
Exploration Company

**Monument Butte N-35-8-16 (Proposed Well)**  
**Monument Butte 4-35-8-16 (Existing Well)**  
**Pad Location NESW Sec 35, T8S, R16E, S.L.B.&M.**





**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 : 100,000  
 DRAWN BY: nc  
 DATE: 10-24-2007

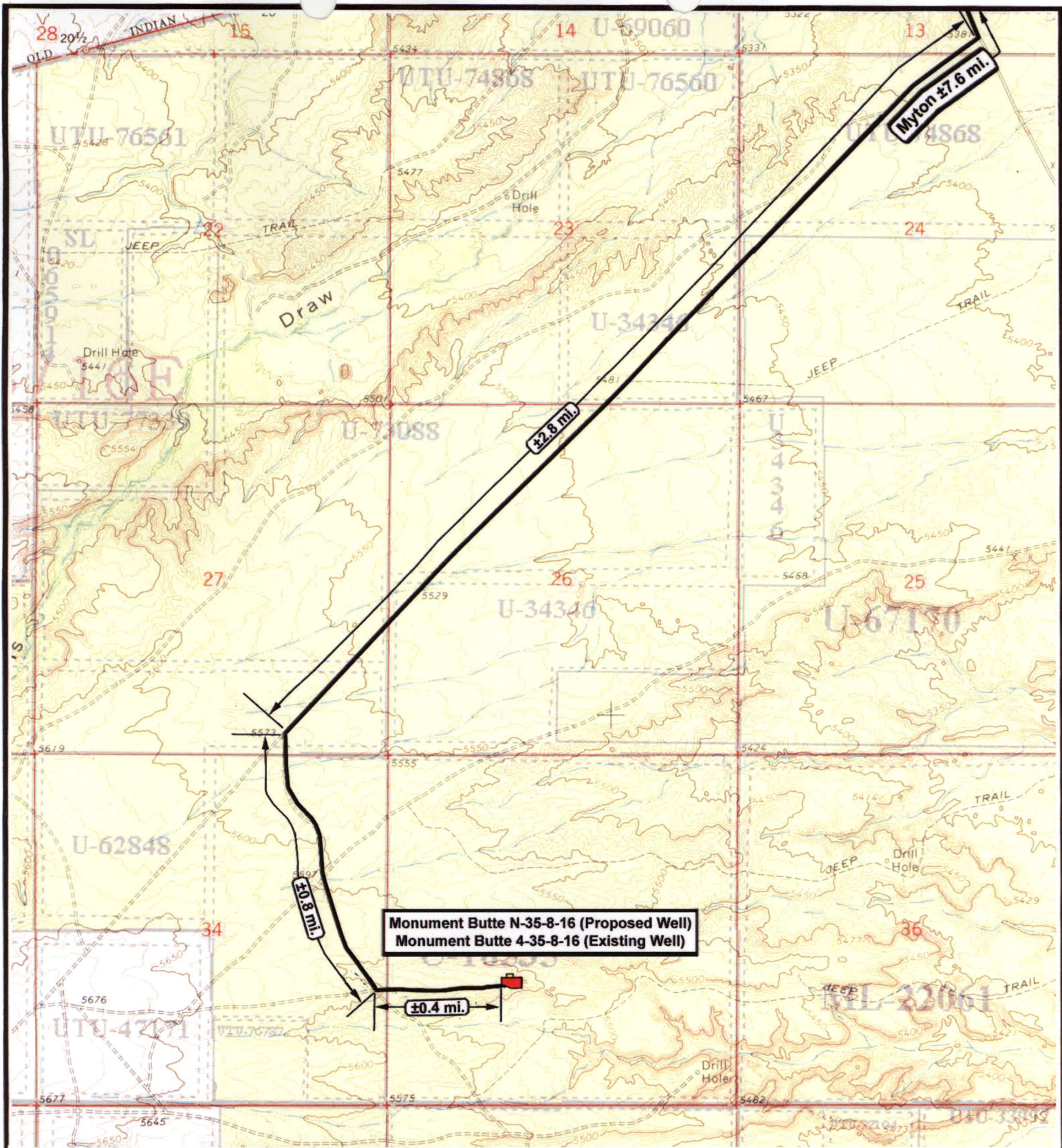
**Legend**


Existing Road

TOPOGRAPHIC MAP

"A"







**NEWFIELD**  
Exploration Company

**Monument Butte N-35-8-16 (Proposed Well)**  
**Monument Butte 4-35-8-16 (Existing Well)**  
 Pad Location NESW Sec 35, T8S, R16E, S.L.B.&M.






**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'  
 DRAWN BY: nc  
 DATE: 10-24-2007

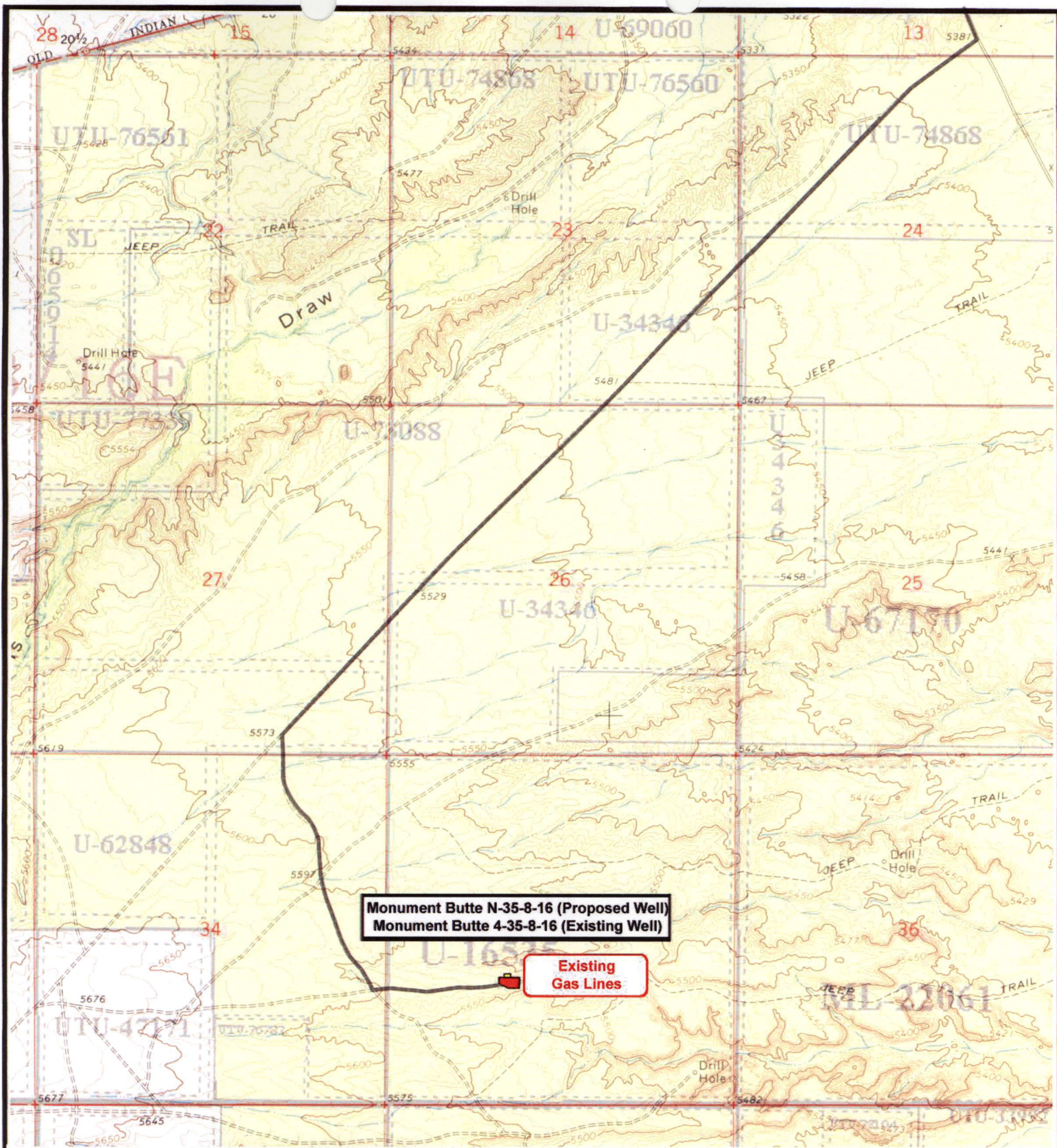
**Legend**

 Existing Road

**TOPOGRAPHIC MAP**

**"B"**





Monument Butte N-35-8-16 (Proposed Well)  
Monument Butte 4-35-8-16 (Existing Well)

Existing  
Gas Lines

**NEWFIELD**  
Exploration Company

**Monument Butte N-35-8-16 (Proposed Well)**  
**Monument Butte 4-35-8-16 (Existing Well)**  
Pad Location NESW Sec 35, T8S, R16E, S.L.B.&M.



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'  
DRAWN BY: nc  
DATE: 10-24-2007

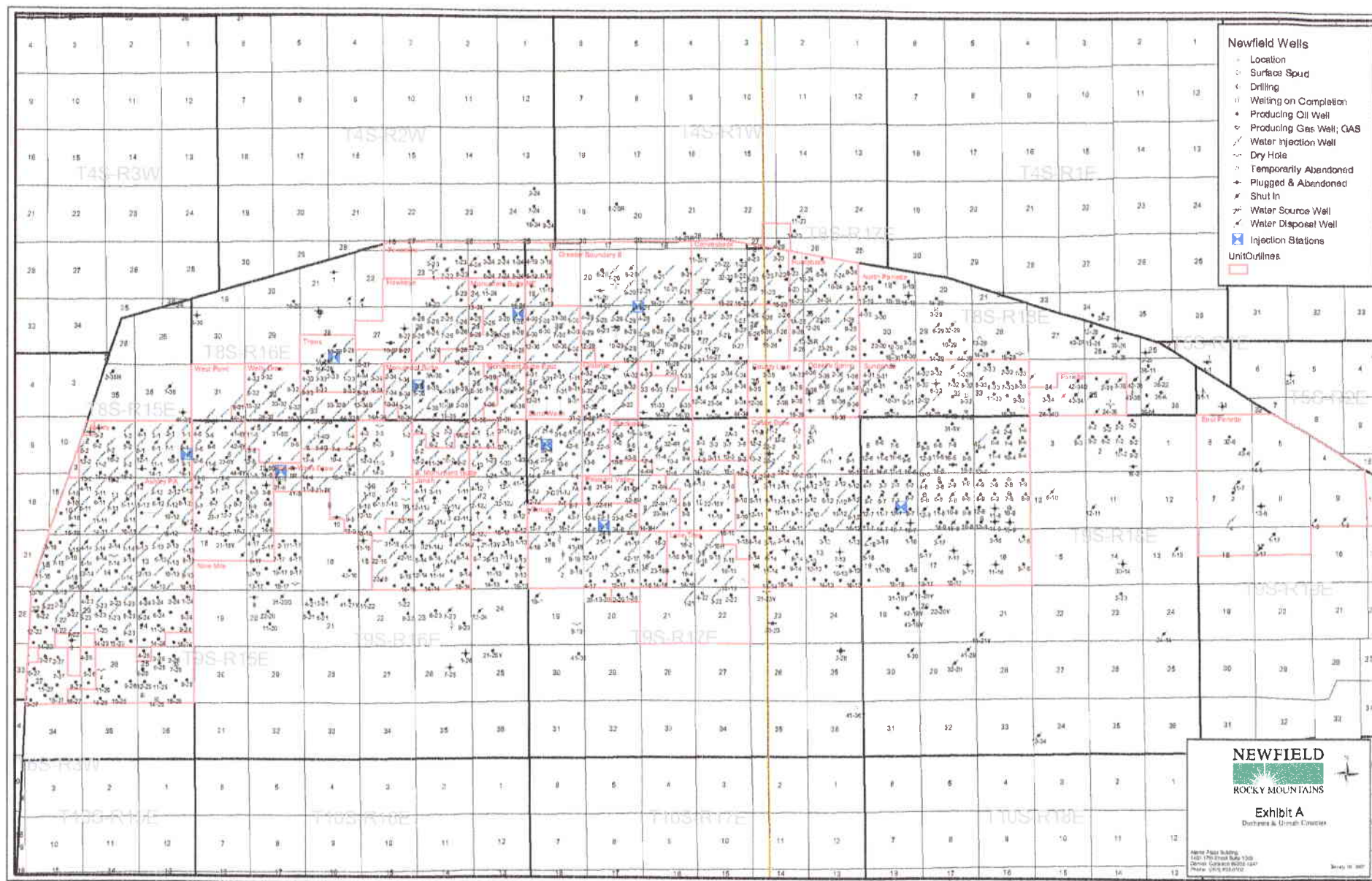
**Legend**

Existing Roads

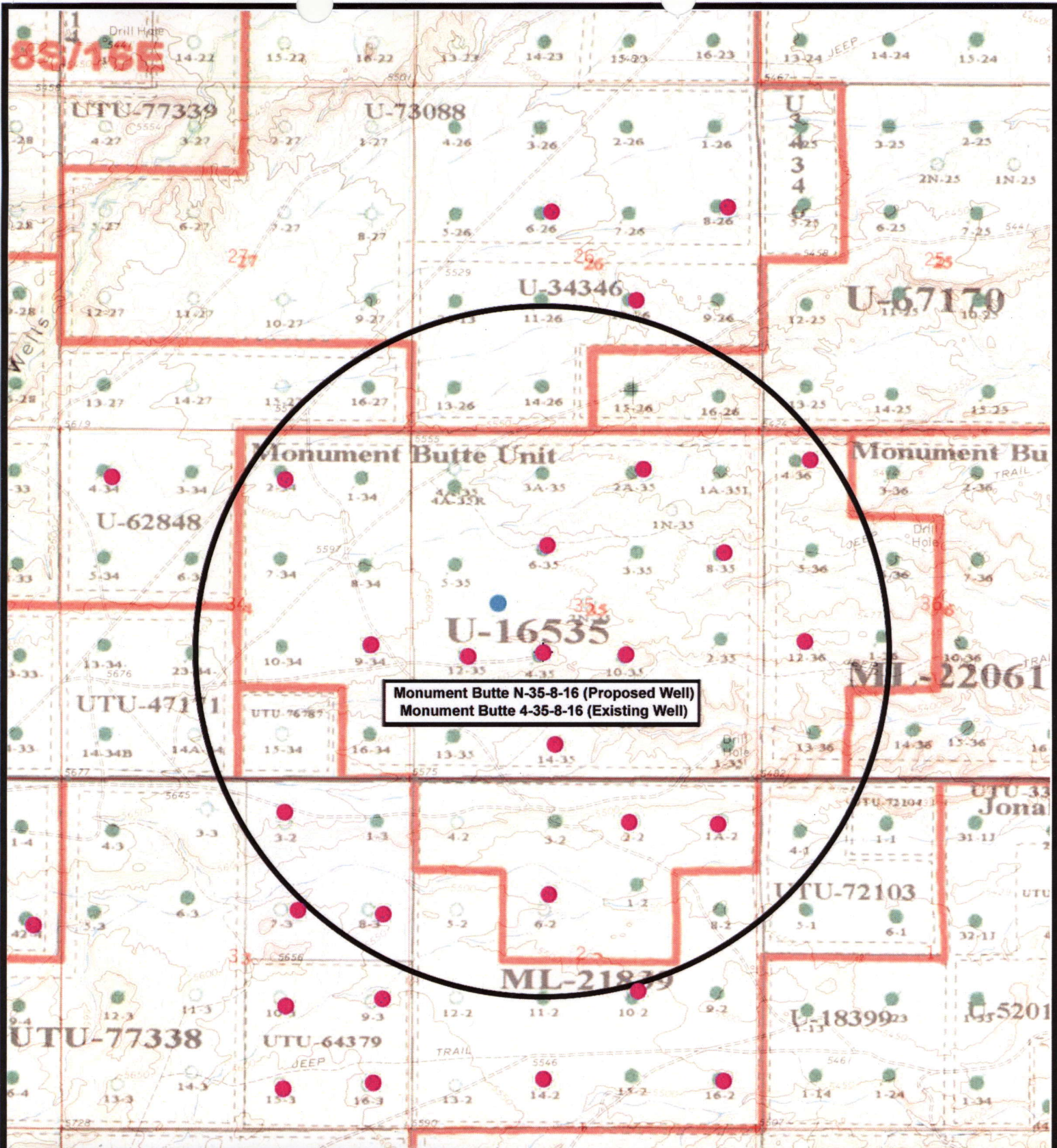
TOPOGRAPHIC MAP

**"C"**

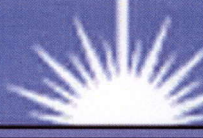








Monument Butte N-35-8-16 (Proposed Well)  
 Monument Butte 4-35-8-16 (Existing Well)



**NEWFIELD**  
Exploration Company

---

**Monument Butte N-35-8-16 (Proposed Well)**  
**Monument Butte 4-35-8-16 (Existing Well)**  
 Pad Location NESW Sec 35, T8S, R16E, S.L.B.&M.



**Tri-State**  
Land Surveying Inc.  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

---

SCALE: 1" = 2000'  
 DRAWN BY: nc  
 DATE: 10-24-2007

**Legend**

- Pad Location
- Bottom Hole Location
- One-Mile Radius

---

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

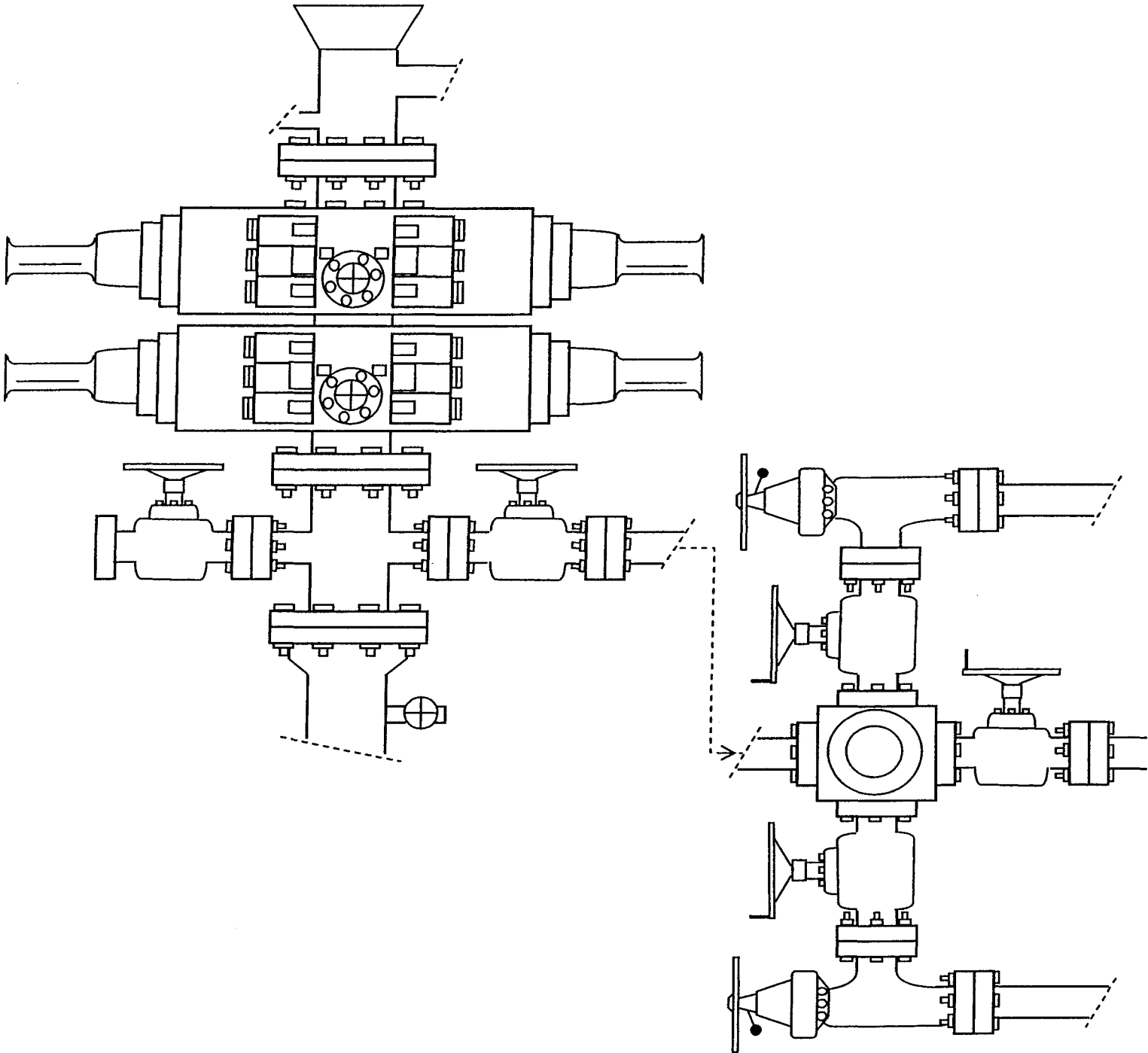


EXHIBIT C

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 01/14/2008

API NO. ASSIGNED: 43-013-33872

WELL NAME: MON BUTTE FED N-35-8-16

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

**PROPOSED LOCATION:**

NESW 35 080S 160E

SURFACE: 1856 FSL 1871 FWL

BOTTOM: 2642 FSL 1321 FWL

COUNTY: DUCHESNE

LATITUDE: 40.07222 LONGITUDE: -110.0887

UTM SURF EASTINGS: 577709 NORTHINGS: 4435960

FIELD NAME: MONUMENT BUTTE ( 105 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-16535

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

**RECEIVED AND/OR REVIEWED:**

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. WYB000493 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. 43-10136 )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

**LOCATION AND SITING:**

☐ R649-2-3.  
Unit: MONUMENT BUTTE (GR D)  
☐ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
☐ R649-3-3. Exception  
☒ Drilling Unit  
Board Cause No: 213-01(B)  
Eff Date: 10-25-06  
Siting: Subsided from Siting  
☒ R649-3-11. Directional Drill

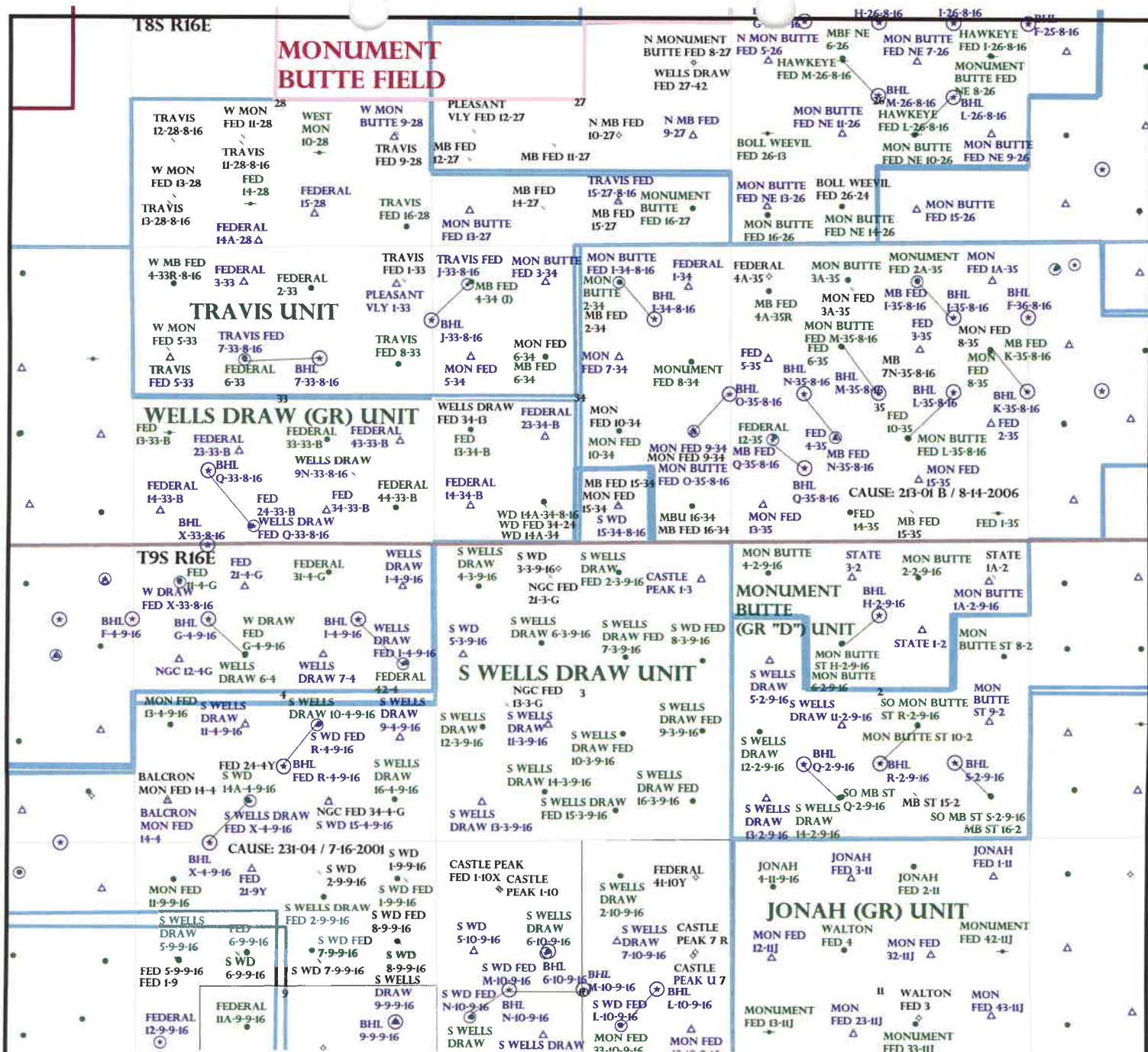
COMMENTS:

*See Separate File*

STIPULATIONS:

*1- Federal Approval*





OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 34,35 T.8S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 213-01 B / 10-25-2006



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

**IN REPLY REFER TO:**

**3160**

**(UT-922)**

January 17, 2008

**Memorandum**

**To:** Assistant District Manager Minerals, Vernal District  
**From:** Michael Coulthard, Petroleum Engineer  
**Subject:** 2007 Plan of Development Monument Butte Unit, Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well is planned for calendar year 2007 within the Monument Butte Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-33871	Mon Butte Fed I-34-8-16 Sec 34	T08S R16E 0657 FNL 1967 FEL BHL Sec 34 T08S R16E 1309 FNL 1334 FEL
43-013-33873	Mon Butte Fed O-35-8-16 Sec 34	T08S R16E 1990 FSL 0636 FEL BHL Sec 35 T08S R16E 2638 FSL 0000 FWL
43-013-33872	Mon Butte Fed N-35-8-16 Sec 35	T08S R16E 1856 FSL 1871 FWL BHL Sec 35 T08S R16E 2642 FSL 1321 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File – Monument Butte Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron



January 25, 2008

State of Utah, Division of Oil, Gas and Mining  
ATTN: Diana Mason  
PO Box 145801  
Salt Lake City, UT 84114-5801

RE: Directional Drilling  
**Mon Butte Federal N-35-8-16**  
Monument Butte Unit  
UT080P49-8861680  
Surface Hole: T8S R16E, Section 35: NE/4SW/4  
1856' FSL 1871' FWL  
Bottom Hole: T8S R16E, Section 35:  
2642' FSL 1321' FWL  
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated December 11, 2007, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both within the boundaries of the Monument Butte Federal Unit UT080P49-8861680. Newfield certifies that it is the Monument Butte Unit Operator and all lands within 460 feet of the entire directional well bore are within the Monument Butte Unit.

NPC is permitting this well as a directional well in order to minimize surface disturbance. By directionally drilling from the referenced surface location, NPC will be able to utilize the existing roads and pipelines in this area.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at [reveland@newfield.com](mailto:reveland@newfield.com). Your consideration of this matter is greatly appreciated.

Sincerely,  
NEWFIELD PRODUCTION COMPANY

A handwritten signature in cursive script that reads "Roxann Eveland".

Roxann Eveland  
Land Associate

RECEIVED

JAN 31 2008

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-16535

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

Monument Butte

8. Lease Name and Well No.

Mon. Butte Federal N-35-8-16

9. API Well No.

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

10. Field and Pool, or Exploratory

Monument Butte

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface NE/SW 1856' FSL 1871' FWL

At proposed prod. zone 2642' FSL 1321' FWL

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 35, T8S R16E

14. Distance in miles and direction from nearest town or post office\*

Approximately 11.6 miles southwest of Myton, Utah

12. County or Parish

Duchesne

13. State

UT

15. Distance from proposed\*

location to nearest  
property or lease line, ft.

(Also to nearest drig. unit line, if any) Approx. 2638' f/ls, 2638' f/unit

16. No. of Acres in lease

920.00

17. Spacing Unit dedicated to this well

20 Acres

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft.

Approx. 1368'

19. Proposed Depth

6470'

20. BLM/BIA Bond No. on file

WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5570' GL

22. Approximate date work will start\*

1st Quarter 2008

23. Estimated duration

Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

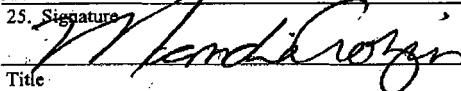
3. A Surface Use Plan (if the location is on National Forest System Lands, the  
SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see  
Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the  
authorized officer.

25. Signature



Name (Printed/Typed)

Mandie Crozier

Date

12/11/07

Title

Regulatory Technician

Approved by (Signature)

Name (Printed/Typed)

Date

Title

Office

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct  
operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United  
States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

JAN 31 2008

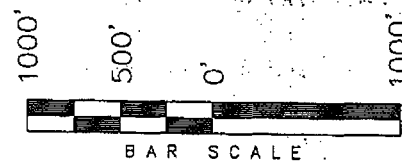
DIV. OF OIL, GAS & MINING

**T8S, R16E, S.L.B.&M.**

N89°56'W - 80.04 (G.L.O.)

**NEWFIELD PRODUCTION COMPANY**

WELL LOCATION, MONUMENT BUTTE  
N-35-8-16, LOCATED AS SHOWN IN THE  
NE 1/4 SW 1/4 OF SECTION 35, T8S,  
R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



**Note:**

The bottom of hole bears N34°58'41"W  
960.67' from the Well head.

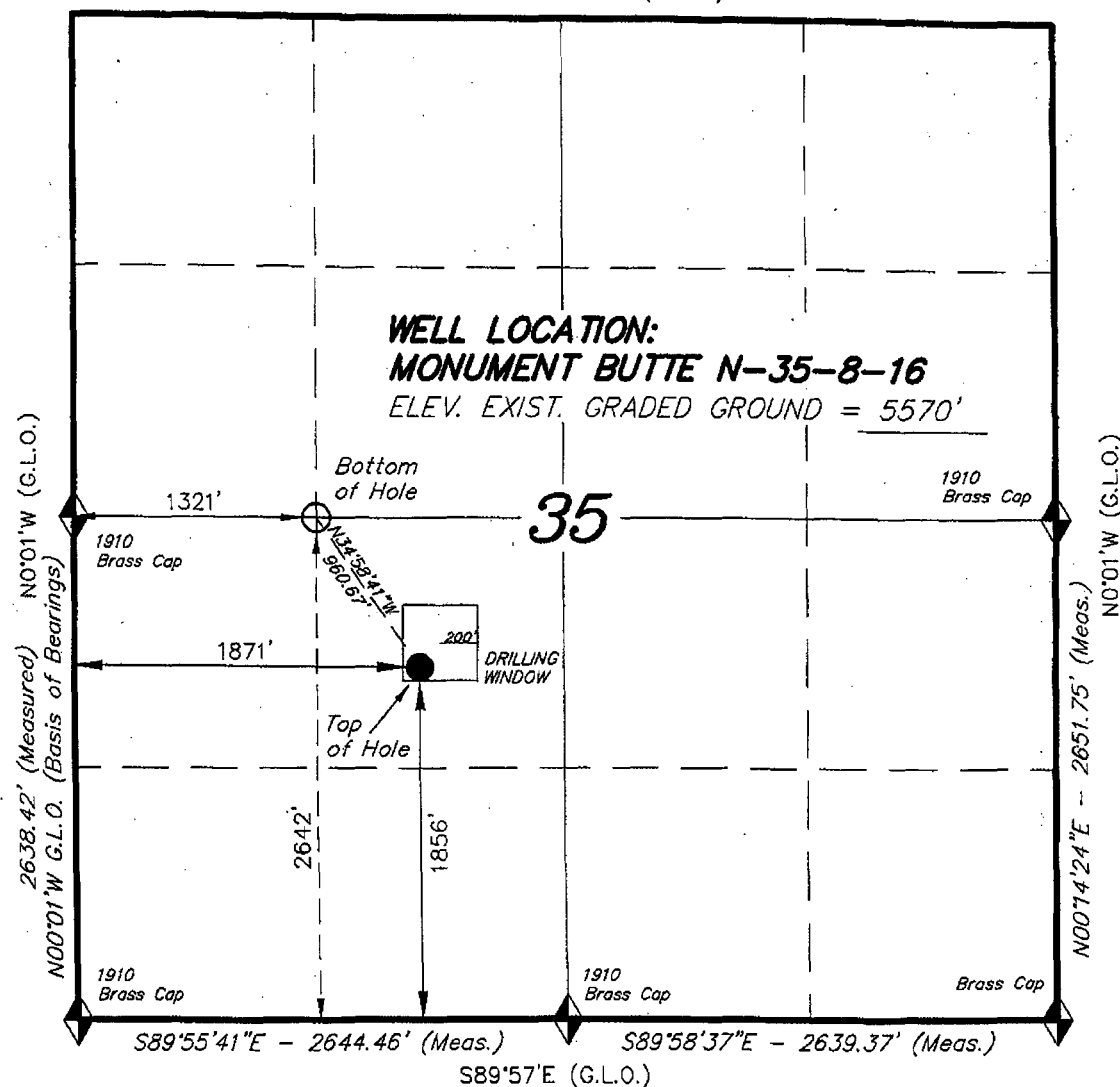
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE, AND BELIEVE No. 189377

*Stacy W. Stewart*  
STACY W. STEWART  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 189377  
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 09-26-07	SURVEYED BY: T.H.
DATE DRAWN: 10-11-07	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**MONUMENT BUTTE N-35-8-16**  
(Surface Location) NAD 83  
LATITUDE = 40° 04' 20.07"  
LONGITUDE = 110° 05' 21.82"



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil Gas and Mining

JOHN R. BAZA  
Division Director

January 31, 2008

Newfield Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Monument Butte Federal N-35-8-16 Well, Surface Location 1856' FSL, 1871' FWL,  
NE SW, Sec. 35, T. 8 South, R. 16 East, Bottom Location 2642' FSL, 1321' FWL,  
NE SW, Sec. 35, T. 8 South, R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33872.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal Office

Operator: Newfield Production Company  
Well Name & Number Monument Butte Federal N-35-8-16  
API Number: 43-013-33872  
Lease: UTU-16535

Surface Location: NE SW      Sec. 35      T. 8 South      R. 16 East  
Bottom Location: NE SW      Sec. 35      T. 8 South      R. 16 East

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281      (801) 733-0983 home

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
5. In accordance with Utah Admin. R. 649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**UTU-16535**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**MONUMENT BUTTE**

8. Well Name and No.

**MON BUTTE FED N-35-8-16**

9. API Well No.

**43-013-33872**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT.**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**NEWFIELD PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**1856 FSL 1871 FWL NE/SW Section 35, T8S R16E**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Permit Extension**

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Newfield Production Company requests to extend the Permit to Drill this well for one year.

**COPY SENT TO OPERATOR**

Date: 1.13.2009

Initials: KS

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 01-12-09

By: [Signature]

**RECEIVED**

**JAN 08 2009**

**DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct

Signed

[Signature]  
Mandie Crozier

Title

Regulatory Specialist

Date

1/5/2009

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RESET

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-013-33872  
**Well Name:** Mon. Butte Federal N-35-8-16  
**Location:** NE/SW Section 34, T8S R16E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 1/31/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

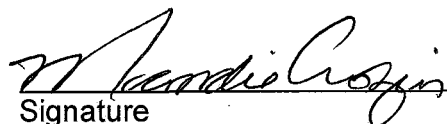
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

  
Signature

1/5/2009

Date

**Title:** Regulatory Specialist

**Representing:** Newfield Production Company

**RECEIVED**

**JAN 08 2009**

**DIV. OF OIL, GAS & MINING**



# RECEIVED

JAN 14 2008

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

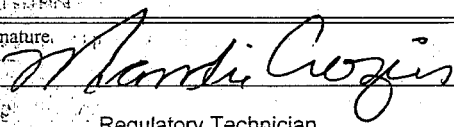
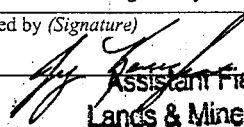
2008 FEB 29 PM 1:46

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-16535	
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A	
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Monument Butte	
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Mon. Butte Federal N-35-8-16	
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43 013 33872	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NE/SW 1856' FSL 1871' FWL At proposed prod. zone 2860' FSL 1278' FWL SWNW		10. Field and Pool, or Exploratory Monument Butte	
11. Sec., T., R., M., or Blk. and Survey or Area Sec. 35, T8S R16E		12. County or Parish Duchesne	
13. State UT		14. Distance in miles and direction from nearest town or post office* Approximately 11.6 miles southwest of Myton, Utah	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 2420' f/lse, 2420' f/unit		16. No. of Acres in lease 920.00	
17. Spacing Unit dedicated to this well 20 Acres		18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 995'	
19. Proposed Depth 6470'		20. BLM/BIA Bond No. on file WYB000493	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5570' GL		22. Approximate date work will start* 1st Quarter 2008	
23. Estimated duration Approximately seven (7) days from spud to rig release.		24. Attachments	

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 2/22/08
Title Regulatory Technician		
Approved by (Signature) 	Name (Printed/Typed) JERRY KANICKA	Date MAR 19 2009
Title Assistant Field Manager Lands & Mineral Resources		
Office VERNAL FIELD OFFICE		

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached

## CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on Reverse)

### NOTICE OF APPROVAL

UDOGN

# RECEIVED

MAR 25 2009

DIV. OF OIL, GAS & MINING

08PP0203A  
NOS 11/9/07



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4401



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Newfield Production Company

Location:

NESW, Sec. 35, T8S, R16E (S)

SWNW, Sec. 35, T8S, R16E (B)

Well No: Monument Butte Federal N-35-8-16

Lease No:

UTU-16535

API No: 43-013-33872

Agreement:

N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist	Christine Cimiluca	(435) 781-4475	
NRS/Enviro Scientist	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist	Lori Ford	(435) 781-4406	
NRS/Enviro Scientist	David Gordon	(435) 781-4424	
NRS/Enviro Scientist	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist	Holly Villa	(435) 781-4404	(435) 828-3544
		Fax: (435) 781-3420	

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO<sub>x</sub> per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO<sub>x</sub> per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

**SURFACE CONDITIONS OF APPROVAL**

**NEPA Document number:** DOI-BLM-UT-2008-0695-EA

**Company/Operator:** Newfield Production Company

**Well Name & Number:** Travis Federal G-34-8-16, Monument Butte State P-36-8-16, and Monument Butte Federal I-34-8-16, Monument Butte Federal N-35-8-16, Wells Draw Federal P-34-8-16, Monument Butte Federal I-35-8-16, Monument Butte Federal O-35-8-16, and Monument Butte Federal J-34-8-16

**Surface Ownership:** BLM

**CONDITIONS OF APPROVAL:**

Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim/Final Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the re-spreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.

**Interim and Final Reclamation**

Reclamation Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, and trash. Any hydrocarbons in the pit will be removed in accordance with 43 CFR 3162.7-1. The reserve pit and the portion of the well not needed for production facilities/operations will be re-contoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion, or as soon as environmental conditions allow. The stockpiled pit topsoil will then be spread over the pit area. Seeding shall be implemented in the fall only, between August 15 and December 15. The seed shall be drilled wherever possible. If the seed is

aerially broadcasted, then the seed shall be covered immediately (crimped into the topsoil with a bulldozer or other heavy equipment). *Forage Kochia shall be applied to the surface and not covered.* If initial seeding is not successful, reseeding may be required.

**Interim and Final Seed mix:**

Common name	Latin name	lbs/acre	Recommended seed planting depth
Sandberg bluegrass	<i>Poa secunda</i>	2.0	1/4 - 1/2"
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.50	1/2"
Four-wing saltbush	<i>Atriplex canescens</i>	0.50	1/2"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	0.10	1/8 - 1/4"
Western wheatgrass	<i>Pascopyrum smithii</i>	2.0	1/2"
Ephraim Crested Wheatgrass	<i>Agropyron cristatum</i> var. <i>Ephraim</i>	2.0	1/2"
Ladak Alfalfa	<i>Medicago sativa</i> var. <i>Ladak</i>	1.0	1/2"

- All pounds are pure live seed.
- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.
- Reseeding may be required if initial seeding is not successful.

**Final reclamation:**

Once the location is plugged and abandoned, the well location, access, and any disturbed areas shall be re-contoured to natural topography, topsoil shall be re-spread, and the entire location shall be seeded following guidelines in the seed mix bullet statement above. *Final seed mix:* same as interim unless otherwise instructed.

**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- Well location TD bottom footage hole location information on the completion form 3160-4 Well Completion or Recompletion Report and Log should match and be in agreement with the from the actual drilling directional survey well departure values for the TD bottom hole location.
- A copy of the as drilled directional survey shall be submitted to the BLM Vernal Field Office. Submit the MWD-GR survey from the directional/horizontal drilling operations, hard copy or electronically.
- Logging: A Gamma Ray well Log shall be run from the well Total Depth to the surface. A copy of the Gamma Ray well Log shall be submitted to the BLM Vernal Field Office.
- A copy of Newfield's Standard Operating Practices (SOP version: dated 4/18/08 and approved 5/12/08) shall be on location.
- Drilling plan specifics and practices are referenced in the Newfield Standard Operating Procedures (SOP version: April 18, 2008). The operators drilling plan items 4 to 8 reference the SOP. Newfield shall adhere to the referenced requirements in the SOP.  
Newfield and their contractors shall adhere to all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders except where variances have been granted.
- Production casing cement shall be brought up and into the surface.
- Covering air/gas drilling operations, requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E. 1. Drilling Operations, Special Drilling Operations, air/gas drilling.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.

- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Wellogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or work-over program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (1/4, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion



Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, work-over, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

Spud  
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross Rig #  
21 Submitted By Xabier Lasa Phone Number 435-  
823-6014

Well Name/Number Monument Butte Federal N-35-8-16

Qtr/Qtr NE/SW Section 35 Township 8S Range 16E

Lease Serial Number UTU-16535

API Number 43-013-33872

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 10/13/09 9:00

AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 10/13/09 3:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Remarks Spud With Ross Rig #21 @ 9:00 am On 10/13/09 Run  
8 5/8" Casing @ 2:00 pm on 10/13/09.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 5

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	17393	43-013-50080	WEDIG 11-22-4-1	NESW	22	4S	1W	DUCHESNE	10/12/09	10/37/09
WELL COMMENTS: GRUV											
B	99999	12021	43-047-40244	Pariette FEDERAL K-34-8-18	SENE	34	8S	18E	UINTAH	10/14/09	10/37/09
GRUV BHL = SENE											
B	99999	10835	43-013-33873	MONUMENT BUTTE O-35-8-16	NESE	34	8S	16E	DUCHESNE	10/16/09	10/37/09
GRUV BHL = 35 NWSW											
B	99999	10835	43-013-33871	MONUMENT BUTTE I-34-8-16	NWNE	34	8S	16E	DUCHESNE	10/14/09	10/37/09
GRUV BHL = NWNE											
B	99999	10835	43-013-33872	MONUMENT BUTTE N-35-8-16	NESW	35	8S	16E	DUCHESNE	10/13/09	10/37/09
GRUV BHL = NESW											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or non well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each action code was selected

RECEIVED

OCT 20 2009

DIV. OF OIL, GAS & MINING

Kim Swasey  
Signature  
Kim Swasey  
Production Analyst  
10/20/2009  
Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address

Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1856 FSL 1871 FWL

NESW Section 35 T8S R16E

5. Lease Serial No.

USA UTU-16535

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

MON BUTTE UNIT

8. Well Name and No.

MON BT N-35-8-16

9. API Well No.

4301333872

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 10-12-09 MIRU ROSS spud rig #21. Drill 315' of 12 1/4" hole with air mist. TIH W/7 Jt's 8 5/8" J-55 24# csgn. Set @ 321.34.  
On 10-13-09 Cement with 160 sks of Class "G" w/ 2% CaCL+ 1/4# Cello Flake. Mixed @ 15.8 ppg> 1.17 cf/sk yeild. Returned 7 bbls cement to pit.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Xabier Lasa

Signature

Title

Drilling Foreman

Date

10/24/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

RECEIVED

OCT 29 2009

DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8" CASING SET AT 321.34

LAST CASING 8 5/8" SET AT 321.34  
 DATUM 12  
 DATUM TO CUT OFF CASING 12  
 DATUM TO BRADENHEAD FLANGE 12  
 TD DRILLER 315 LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4"

OPERATOR Newfield Exploration Company  
 WELL MON BT N-35-8-16  
 FIELD/PROSPECT \_\_\_\_\_  
 CONTRACTOR & RIG # Ross # 21

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION		WT / FT	GRD	THREAD	CONDT	LENGTH
1	8 5/8"	Guide Shoe					A	0.9
7	8 5/8"	Casing ( Shoe JT. 44.24' )		24	J-55	8rd	A	309.49
1		Well head					A	0.95
</								

[illegible]

COMPANY REPRESENTATIVE Xabier Lasa DATE 10/15/2009



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address

Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1856 FSL 1871 FWL

NESW Section 35 T8S R16E

5. Lease Serial No.

USA UTU-16535

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

MON BUTTE UNIT

8. Well Name and No.

MON BT N-35-8-16

9. API Well No.

4301333872

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 11/8/09 MIRU NDSI Elenburg # 28. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 255'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6435'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 153 jt's of 5.5 J-55, 15.5# csgn. Set @ 6423.12' / KB: Cement with 281 sks cement mixed @ 11.0 ppg & 3.43 yld. The 425 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 40 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 80,000 #'s tension. Release rig @ 2:00 PM on 1/05/07.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Jim Smith

Signature

Title

Drilling Foreman

Date

11/16/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

NOV 18 2009

DIV. OF OIL, GAS & MINING

## NEWFIELD PRODUCTION COMPANY - CASING &amp; CEMENT REPORT

**5 1/2" CASING SET AT 6423.12**

LAST CASING	<u>8 5/8"</u>	SET AT	<u>321.34</u>
DATUM	<u>12</u>		
DATUM TO CUT OFF CASING		<u>12</u>	
DATUM TO BRADENHEAD FLANGE			<u>12</u>
TD DRILLER	<u>6435</u>	LOGG	<u>6438</u>
HOLE SIZE	<u>7 7/8"</u>		

OPERATOR **Newfield Exploration Company**  
WELL **MON BT N-35-8-16**  
FIELD/PROSPECT **MB**  
CONTRACTOR & RIG # **Elenburg # 28**

## LOG OF CASING STRING:

[illegible]

[illegible]

COMPANY REPRESENTATIVE

DATE 11/12/2009

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-16535

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
GMBU

1. TYPE OF WELL:

OIL WELL ☒ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER: **N-35-8-16**  
MONUMENT BUTTE FEDERAL

2. NAME OF OPERATOR:

NEWFIELD PRODUCTION COMPANY

9. API NUMBER:

4301333872

3. ADDRESS OF OPERATOR:

Route 3 Box 3630

CITY Myton

STATE UT

ZIP 84052

PHONE NUMBER

435.646.3721

10. FIELD AND POOL, OR WILDCAT:

MONUMENT BUTTE

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 1856 FSL 1871 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESW, 35, T8S, R16E

STATE: UT

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

**TYPE OF ACTION**

☐ NOTICE OF INTENT  
(Submit in Duplicate)

Approximate date work will

☒ SUBSEQUENT REPORT  
(Submit Original Form Only)

Date of Work Completion:

12/15/2009

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/STOP)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLAIR

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☒ OTHER: - Weekly Status Report

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 12-15-09, attached is a daily completion status report.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE

DATE 01/05/2010

(This space for State use only)

**RECEIVED**

**JAN 11 2010**

**DIV. OF OIL, GAS & MINING**

**Daily Activity Report****Format For Sundry****MON BT N-35-8-16****10/1/2009 To 2/28/2010****11/23/2009 Day: 1****Completion**

Rigless on 11/23/2009 - Ran CBL & shot 1st stage. - Install 5m frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6336' & cement top @ 56'. Perforate stage #1, CP4 sds @ 6313-20' w/ 3-1/8" Slick Guns (19 gram, .49"EH. 120°) w/ 3 spf for total of 21 shots. 151 BWTR. SWIFN.

**Daily Cost: \$0****Cumulative Cost: \$10,599****12/4/2009 Day: 2****Completion**

Rigless on 12/4/2009 - Frac & flowback 6 stages. - Stage #1, CP4 sands. RU BJ Services. 29 psi on well. Frac CP4 sds w/ 35,509#'s of 20/40 sand in 228 bbls of Lightning 17 fluid. Broke @ 3701 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2964 psi @ ave rate of 39.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISDP 2085 psi. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 2-2' & 4' perf guns. Set plug @ 6090'. Perforate CP1 sds @ 6031-35' & CP.5 sds @ 5984-86 & 5976-78' w/ 3 1/8" slick guns ( 16 gram .34" EH 21.00" pen) w/ 3 spf for total of 24 shots. 595 BWTR - Stage #2, CP1 & CP.5 sands. RU BJ Services. 1528 psi on well. Frac CP1 & CP.5 sds w/ 14,873#'s of 20/40 sand in 124 bbls of Lightning 17 fluid. Broke @ 3438 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 3256 psi @ ave rate of 27.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISDP 2181 psi. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 7' & 4' perf guns. Set plug @ 5770'. Perforate LODC sds @ 5719-26' & A3 sds @ 5573-77' w/ 3 1/8" slick guns ( 16 gram .34" EH 21.00" pen) w/ 3 spf for total of 33 shots. 894 BWTR - Stage #3, LODC & A3 sands. RU BJ Services. 1807 psi on well. Frac LODC & A3 sds w/ 24,774#'s of 20/40 sand in 211 bbls of Lightning 17 fluid. Broke @ 2241 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 3088 psi @ ave rate of 40.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISDP 2606 psi. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 8' & 2' perf guns. Set plug @ 5470'. Perforate B2 sds @ 5414-22' & C sds @ 5274-76' w/ 3 1/8" slick guns ( 16 gram .34" EH 21.00" pen) w/ 3 spf for total of 30 shots. 1269 BWTR - Stage #4, B2 & C sands. RU BJ Services. 1854 psi on well. Frac B2 & C sds w/ 35,618#'s of 20/40 sand in 234 bbls of Lightning 17 fluid. Broke @ 2812 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 3180 psi @ ave rate of 40.4 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISDP 2623 psi. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 2-3' & 5' perf guns. Set plug @ 5210'. Perforate D2 sds @ 5162-65' & D1 sds @ 5111-14 & 5097-5102' w/ 3 1/8" slick guns ( 16 gram .34" EH 21.00" pen) w/ 3 spf for total of 33 shots. 1655 BWTR - Stage #5, D2 & D1 sands. RU BJ Services. 2050 psi on well. Frac D2 & D1 sds w/ 90,633#'s of 20/40 sand in 383 bbls of Lightning 17 fluid. Broke @ 2281 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 3036 psi @ ave rate of 45 BPM. Pumped 504 gals of 15% HCL in flush for Stage #6. ISDP 2970 psi. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 6', 3' & 2' perf guns. Set plug @ 4670'. Perforate GB6 sds @ 4614-20' & GB4 sds @ 4576-79 & 4562-64' w/ 3 1/8" slick guns ( 16 gram .34" EH 21.00" pen) w/ 3 spf for total of 33 shots. 2352 BWTR

- Stage #6, GB6 & GB4 sands. RU BJ Services. 2108 psi on well. Frac GB6 & GB4 sds w/ 100,094#'s of 20/40 sand in 595 bbls of Lightning 17 fluid. Broke @ 2800 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2819 psi @ ave rate of 43.2 BPM. ISDP 2155 psi. 3093 BWTR. Open well for immediate flowback @ 3 BPM. Well flowed for 10 hours & turned to oil & gas. Recovered 1440 bbls. 1653 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$112,484

---

**12/5/2009 Day: 3****Completion**

Rigless on 12/5/2009 - Set kill plug & 4500'. - RU hot oiler & thaw wellhead. Check pressure on well, 1300 psi. Pump 40 BW down csg @ 200°. RU Perforators LLC WLT. RIH w/ 6K solid plug & set plug @ 4500'. POOH w/ WL. RD WLT & hot oiler. Bleed pressure from well. SWIFN. 1693 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$119,232

---

**12/8/2009 Day: 4****Completion**

Rigless on 12/8/2009 - MIRUSU. Change out BOP & wellheads. Start picking up tbg. - MIRUSU. X- over to tbg eq. ND frac head & BOP. NU production head & BOP. RU rig floor. PU & talley w/ chomp bit & 115- jts 2 7/8. TOH w/ 10- jts 2 7/8. SDFD.

**Daily Cost:** \$0

**Cumulative Cost:** \$126,754

---

**12/9/2009 Day: 5****Completion**

Rigless on 12/9/2009 - Start drilling out kill plug @ 4500'. - RU D&M hot oil to thaw well. OWU. 0 psi on well. PU TIH talleying w/ 23- jts 2 7/8. Tag kill plug @ 4500'. RU nabor power swivel. Drill through kill plug. Well started to flow oil & gas. Circulate oil & gas out of well. SDFD. 400 bbls wtr gain for the day.

**Daily Cost:** \$0

**Cumulative Cost:** \$162,804

---

**12/10/2009 Day: 7****Completion**

NC #3 on 12/10/2009 - Cont to drill out plugs. - RU D&M hot oil to thaw well. OWU. 1300 psi on csg, & 1600 psi on tbg. Circulate out oil & gas. TIH w/ tbg to plug @ 4670'. No fill on plug. Drill out plug. Circulate out oil & gas. TIH w/ tbg to plug @ 5210'. No fill on plug. Drill out plug. EOT @ 5225'. SDFD. (400 BBLS WTR GAIN FOR DAY). - RU D&M hot oil to thaw well. OWU. 1300 psi on csg, & 1600 psi on tbg. Circulate out oil & gas. TIH w/ tbg to plug @ 4670'. No fill on plug. Drill out plug. Circulate out oil & gas. TIH w/ tbg to plug @ 5210'. No fill on plug. Drill out plug. EOT @ 5225'. SDFD. (400 BBLS WTR GAIN FOR DAY). - RU D&M hot oil to thaw well. OWU. 1200 psi on csg, & 1100 psi on tbg. Circulate out oil & gas. TIH w/ tbg to plug @ 5470'. No fill on plug. Drill out plug. Circulate out oil & gas. TIH w/ tbg to plug @ 5770'. No fill on plug. Drill out plug. EOT @ 5780'. SDFD. ( 250 BBL WATER GAIN FOR THE DAY). - RU D&M hot oil to thaw well. OWU. 1200 psi on csg, & 1100 psi on tbg. Circulate out oil & gas. TIH w/ tbg to plug @ 5470'. No fill on plug. Drill out plug. Circulate out oil & gas. TIH w/ tbg to plug @ 5770'. No fill on plug. Drill out plug. EOT @ 5780'. SDFD. ( 250 BBL WATER GAIN FOR THE DAY).

**Daily Cost:** \$0

**Cumulative Cost:** \$177,374

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**12/11/2009 Day: 8****Completion**

NC #3 on 12/11/2009 - Cont drill out plugs & clean out to PBTD. - RU Zubiate hot oil to thaw well. OWU. 1100 psi on csg, & 900 psi on tbg. Circulate out oil & gas. TIH w/ tbg to plug @ 6090'. No fill on plug. Drill out plug. Circulate out oil & gas. TIH w/ tbg to fill @ 6293'. Clean out fill to PBTD @ 6378'. RD power swivel. LD 3- jts 2 7/8. Flow back up csg 100 bbls fluid w/ 40% oil & gas. PU TIH w/ 3- jts 2 7/8. Tag PBTD @ 6378'. No new fill. LD w/ 8- jts 2 7/8. EOT @ 6261'. SDFD. (300 bbls fluid gain for the day).

**Daily Cost:** \$0**Cumulative Cost:** \$185,104

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**12/15/2009 Day: 9****Completion**

NC #3 on 12/15/2009 - Pump brine water & trip for production. - RU Zubiate hot oil to thaw well. OWU. 1150 psi on csg, & 1000 psi on tbg. Circulate out oil & gas w/ 320 bbls 10# brine water @ 150°. Csg will not die. Attempt to bleed gas off csg. No luck. Decision was made to put well flowing up flow line. ND circulating head. NU B-12 adapter flange to BOP. RU flowline & choke line. Flow well up tbg w/ 15/64 choke @ 20 bbls hr. Put well flowing @ 6:00. RDMOSU. (EOT @ 6263' w/ 182- jts 2 7/8 & bit & bit sub).

**Daily Cost:** \$0**Cumulative Cost:** \$205,682

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**Pertinent Files: Go to File List**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv.,  
Other: \_\_\_\_\_

2. Name of Operator  
NEWFIELD EXPLORATION COMPANY

3. Address  
1401 17TH ST. SUITE 1000 DENVER, CO 80202

3a. Phone No. (include area code)  
(435)646-3721

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface 1856' FSL & 1871' FWL (NE/SW) SEC. 35, T8S, R16E

At top prod. interval reported below 2502' FSL & 1473' FWL (NE/SW) SEC 35, T8S, R 16E UTU-16535

At total depth <sup>6435'</sup> 2428' FNL & 1277' FWL (SW/NW) SEC 35, T8S, R16E UTU-16535

14. Date Spudded  
10/13/2009

15. Date T.D. Reached  
11/12/2009

16. Date Completed 12/15/2009  
☐ D & A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
5570' GL 5582' KB

18. Total Depth: MD 6435'  
TVD 6320'

19. Plug Back T.D.: MD 6380'  
TVD 6251

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	321'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6423'		281 PRIMLITE		56'	
						425 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 6277'	TA @ 6071'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER			See Below			
B)			4502' - 6320'			
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
See Below	See Below

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12-15-09	12-31-0	24	→	67	0	165			2-1/2" x 1-3/4" x 20' x 24' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

\*(See instructions and spaces for additional data on page 2)

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28b. Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):	31. Formation (Log) Markers
Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.	GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	4039' 4252'
				GARDEN GULCH 2 POINT 3	4371' 4648'
				X MRKR Y MRKR	4904' 4938'
				DOUGALS CREEK MRK BI CARBONATE MRK	5057' 5315'
				B-2 B-2 BASE	5411' 5427'
				BLS CPLS	5442' 5954'
				BSCARB	6400'

32. Additional remarks (include plugging procedure):

\*\* Well flowing on 12-15-2009 - surface equipment set on 01-21-10 \*\*

Stage 1: Green River Formation (CP4) 6313-20', .40" 3/21 Frac w/ 35509#s of 20/40 sand in 228 bbls of Lightning 17 fluid

Stage 2: Green River Formation (CP.5 & CP1) 5976-86', 6031-35', .34" 3/24 Frac w/ 14873#s of 20/40 sand in 124 bbls of Lightning 17 fluid

Stage 3: Green River Formation (A3 & LODC) 5573-77', 5719-26', .34" 3/33 Frac w/ 24774#s of 20/40 sand in 211 bbls of Lightning 17 fluid

Stage 4: Green River Formation (C & B2) 5274-76', 5414-22', .34" 3/30 Frac w/ 35618#s of 20/40 sand in 234 bbls of Lightning 17 fluid

Stage 5: Green River Formation (D1 & D2) 5097-5114', 5162-65', .34" 3/33 Frac w/ 90633#s of 20/40 sand in 383 bbls of Lightning 17 fluid

Stage 6: Green River Formation (GB6 & GB4) 4614-20', 4562-79', .34" 3/33 Frac w/ 100094#s of 20/40 sand in 595 bbls of Lightning 17 fluid

33. Indicate which items have been attached by placing a check in the appropriate boxes:

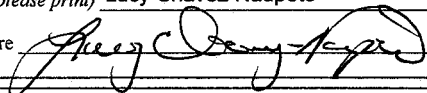
- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other: Drilling and Completion Daily Activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Lucy Chavez-Naupoto

Title Administrative Assistant

Signature



Date 01/29/2010

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**NEWFIELD**



## **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)  
SECTION 35 T8S, R 16E  
N-35-8-16**

**Wellbore #1**

**Design: Wellbore #1**

## **Standard Survey Report**

**03 December, 2009**

**HATHAWAY HB BURNHAM**  
 **DIRECTIONAL & MWD SERVICES** 



## HATHAWAY BURNHAM

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 35 T8S, R 16E  
**Well:** N-35-8-16  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well N-35-8-16  
**TVD Reference:** N-35-8-16 @ 5582.0ft (ELENBURG 28)  
**MD Reference:** N-35-8-16 @ 5582.0ft (ELENBURG 28)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

<b>Project</b>	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		Using geodetic scale factor

**Site** SECTION 35 T8S, R 16E, SEC 35 T8S, R16E

<b>Site Position:</b>		<b>Northing:</b>	7,198,099.76 ft	<b>Latitude:</b>	40° 4' 19.740 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,034,036.30 ft	<b>Longitude:</b>	110° 5' 36.110 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	0.90 °

**Well** N-35-8-16, SHL LAT: 40 04 20.07, LONG: -110 05 21.82

<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>	7,198,150.64 ft	<b>Latitude:</b>	40° 4' 20.070 N
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b>	2,035,146.45 ft	<b>Longitude:</b>	110° 5' 21.820 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	5,582.0 ft	<b>Ground Level:</b>	5,570.0 ft

**Wellbore** Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	2009/10/26	11.52	65.86	52,473

**Design** Wellbore #1

**Audit Notes:**

**Version:** 1.0 **Phase:** ACTUAL **Tie On Depth:** 0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	329.43

**Survey Program** **Date** 2009/12/03

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
442.0	6,435.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

**Survey**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
442.0	0.48	106.35	442.0	-0.5	1.8	-1.4	0.11	0.11	0.00
473.0	0.57	88.38	473.0	-0.6	2.1	-1.5	0.60	0.29	-57.97
503.0	0.53	72.71	503.0	-0.5	2.3	-1.6	0.52	-0.13	-52.23
534.0	0.57	39.49	534.0	-0.3	2.6	-1.6	1.02	0.13	-107.16
565.0	1.08	359.85	565.0	0.1	2.7	-1.3	2.38	1.65	-127.87
595.0	1.25	335.61	595.0	0.6	2.5	-0.7	1.72	0.57	-80.80
626.0	1.87	320.26	626.0	1.3	2.1	0.1	2.39	2.00	-49.52
657.0	2.22	318.89	657.0	2.2	1.4	1.2	1.14	1.13	-4.42
688.0	2.99	316.94	687.9	3.2	0.4	2.6	2.50	2.48	-6.29
718.0	3.60	317.27	717.9	4.5	-0.8	4.3	2.03	2.03	1.10
749.0	4.11	317.12	748.8	6.0	-2.2	6.3	1.65	1.65	-0.48
780.0	4.35	319.84	779.7	7.7	-3.7	8.5	1.01	0.77	8.77



## HATHAWAY BURNHAM

## Survey Report



Company: NEWFIELD EXPLORATION  
 Project: USGS Myton SW (UT)  
 Site: SECTION 35 T8S, R 16E  
 Well: N-35-8-16  
 Wellbore: Wellbore #1  
 Design: Wellbore #1

Local Co-ordinate Reference: Well N-35-8-16  
 TVD Reference: N-35-8-16 @ 5582.0ft (ELENBURG 28)  
 MD Reference: N-35-8-16 @ 5582.0ft (ELENBURG 28)  
 North Reference: True  
 Survey Calculation Method: Minimum Curvature  
 Database: EDM 2003.21 Single User Db

## Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
810.0	4.81	320.02	809.6	9.6	-5.2	10.9	1.53	1.53	0.60
856.0	5.60	325.14	855.4	12.9	-7.8	15.0	1.99	1.72	11.13
901.0	6.33	326.54	900.2	16.8	-10.4	19.7	1.65	1.62	3.11
946.0	6.83	324.19	944.9	21.0	-13.3	24.9	1.26	1.11	-5.22
991.0	7.14	325.14	989.6	25.5	-16.5	30.3	0.74	0.69	2.11
1,036.0	7.49	327.95	1,034.2	30.2	-19.6	36.0	1.11	0.78	6.24
1,082.0	7.91	325.75	1,079.8	35.4	-23.0	42.2	1.12	0.91	-4.78
1,127.0	8.46	326.89	1,124.3	40.7	-26.6	48.6	1.27	1.22	2.53
1,172.0	9.03	331.08	1,168.8	46.6	-30.1	55.4	1.90	1.27	9.31
1,218.0	9.18	332.04	1,214.2	53.0	-33.5	62.7	0.46	0.33	2.09
1,263.0	9.80	333.33	1,258.6	59.6	-36.9	70.1	1.46	1.38	2.87
1,308.0	10.63	333.77	1,302.9	66.7	-40.5	78.1	1.85	1.84	0.98
1,353.0	11.05	333.42	1,347.1	74.3	-44.3	86.5	0.94	0.93	-0.78
1,399.0	11.45	335.35	1,392.2	82.4	-48.1	95.4	1.19	0.87	4.20
1,444.0	11.95	332.98	1,436.3	90.6	-52.1	104.5	1.54	1.11	-5.27
1,535.0	12.83	331.73	1,525.1	107.9	-61.2	124.0	1.01	0.97	-1.37
1,625.0	13.07	327.86	1,612.9	125.3	-71.3	144.2	1.00	0.27	-4.30
1,716.0	12.52	329.33	1,701.6	142.5	-81.8	164.3	0.70	-0.60	1.62
1,807.0	12.46	326.43	1,790.4	159.2	-92.3	184.0	0.69	-0.07	-3.19
1,897.0	11.73	323.99	1,878.4	174.7	-103.0	202.8	0.99	-0.81	-2.71
1,988.0	11.60	322.39	1,967.6	189.4	-114.1	221.1	0.38	-0.14	-1.76
2,078.0	10.79	322.74	2,055.8	203.3	-124.7	238.4	0.90	-0.90	0.39
2,169.0	10.81	324.98	2,145.2	217.0	-134.7	255.4	0.46	0.02	2.46
2,260.0	11.40	325.05	2,234.5	231.4	-144.8	272.9	0.65	0.65	0.08
2,350.0	11.18	326.17	2,322.8	245.9	-154.7	290.5	0.35	-0.24	1.24
2,441.0	11.25	328.08	2,412.1	260.8	-164.3	308.1	0.42	0.08	2.10
2,531.0	12.44	332.32	2,500.1	276.8	-173.5	326.6	1.64	1.32	4.71
2,622.0	11.91	329.75	2,589.1	293.6	-182.8	345.8	0.83	-0.58	-2.82
2,713.0	12.19	328.73	2,678.1	310.0	-192.5	364.8	0.39	0.31	-1.12
2,803.0	11.78	328.81	2,766.1	325.9	-202.2	383.5	0.46	-0.46	0.09
2,894.0	12.35	333.16	2,855.1	342.6	-211.4	402.5	1.18	0.63	4.78
2,985.0	14.02	334.03	2,943.7	361.2	-220.6	423.2	1.85	1.84	0.96
3,075.0	15.11	338.65	3,030.8	381.9	-229.7	445.6	1.77	1.21	5.13
3,166.0	14.99	336.08	3,118.7	403.7	-238.7	469.0	0.75	-0.13	-2.82
3,256.0	13.75	334.58	3,205.9	424.0	-248.1	491.2	1.44	-1.38	-1.67
3,346.0	13.91	331.46	3,293.3	443.2	-257.8	512.7	0.85	0.18	-3.47
3,437.0	11.16	326.94	3,382.1	460.2	-267.8	532.4	3.21	-3.02	-4.97
3,527.0	12.52	327.57	3,470.2	475.7	-277.8	550.9	1.52	1.51	0.70
3,618.0	12.99	323.82	3,558.9	492.3	-289.2	570.9	1.05	0.52	-4.12
3,707.0	12.50	324.85	3,645.7	508.2	-300.6	590.5	0.61	-0.55	1.16
3,798.0	12.00	323.55	3,734.7	523.9	-311.9	609.7	0.63	-0.55	-1.43
3,889.0	12.24	323.60	3,823.6	539.3	-323.2	628.7	0.26	0.26	0.05
3,979.0	11.14	323.03	3,911.8	553.9	-334.1	646.8	1.23	-1.22	-0.63
4,070.0	11.10	324.61	4,001.1	568.0	-344.5	664.3	0.34	-0.04	1.74
4,160.0	11.47	322.70	4,089.3	582.2	-354.9	681.8	0.58	0.41	-2.12
4,251.0	11.49	326.19	4,178.5	597.0	-365.5	699.9	0.76	0.02	3.84
4,341.0	12.33	326.26	4,266.6	612.4	-375.8	718.4	0.93	0.93	0.08
4,432.0	12.92	328.26	4,355.4	629.1	-386.5	738.3	0.81	0.65	2.20
4,522.0	13.14	326.51	4,443.1	646.2	-397.5	758.5	0.50	0.24	-1.94
4,613.0	13.47	327.29	4,531.6	663.8	-408.9	779.5	0.41	0.36	0.86
4,704.0	11.76	324.26	4,620.4	680.2	-420.1	799.3	2.01	-1.88	-3.33
4,794.0	10.57	325.14	4,708.7	694.4	-430.1	816.7	1.34	-1.32	0.98
4,885.0	10.68	327.05	4,798.2	708.3	-439.5	833.4	0.41	0.12	2.10
4,975.0	9.69	325.14	4,886.7	721.6	-448.4	849.3	1.16	-1.10	-2.12



# HATHAWAY BURNHAM

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 35 T8S, R 16E  
**Well:** N-35-8-16  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well N-35-8-16  
**TVD Reference:** N-35-8-16 @ 5582.0ft (ELENBURG 28)  
**MD Reference:** N-35-8-16 @ 5582.0ft (ELENBURG 28)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,066.0	10.35	328.08	4,976.3	734.8	-457.1	865.1	0.92	0.73	3.23
5,157.0	11.05	328.70	5,065.8	749.2	-465.9	882.0	0.78	0.77	0.68
5,247.0	10.84	328.50	5,154.1	763.8	-474.8	899.1	0.24	-0.23	-0.22
5,337.0	10.96	327.73	5,242.5	778.2	-483.8	916.1	0.21	0.13	-0.86
5,393.3	11.56	328.55	5,297.7	787.6	-489.6	927.1	1.10	1.06	1.46
<b>N-35-8-16 TGT</b>									
5,428.0	11.93	329.02	5,331.7	793.6	-493.3	934.2	1.10	1.07	1.34
5,518.0	11.73	329.83	5,419.8	809.5	-502.6	952.6	0.29	-0.22	0.90
5,609.0	12.17	331.31	5,508.8	825.9	-511.9	971.4	0.59	0.48	1.63
5,700.0	12.22	330.63	5,597.8	842.7	-521.2	990.7	0.17	0.05	-0.75
5,790.0	13.48	328.29	5,685.5	859.9	-531.4	1,010.7	1.51	1.40	-2.60
5,881.0	10.85	328.92	5,774.4	876.3	-541.4	1,029.8	2.89	-2.89	0.69
5,972.0	10.30	327.10	5,863.9	890.4	-550.2	1,046.5	0.71	-0.60	-2.00
6,062.0	10.50	326.23	5,952.4	904.0	-559.2	1,062.8	0.28	0.22	-0.97
6,153.0	9.40	327.22	6,042.1	917.2	-567.8	1,078.5	1.22	-1.21	1.09
6,243.0	10.13	326.41	6,130.7	929.9	-576.2	1,093.7	0.83	0.81	-0.90
6,334.0	10.13	325.49	6,220.3	943.2	-585.1	1,109.7	0.18	0.00	-1.01
6,373.0	9.05	323.86	6,258.8	948.5	-588.9	1,116.2	2.86	-2.77	-4.18
6,435.0	7.80	321.27	6,320.1	955.7	-594.4	1,125.2	2.11	-2.02	-4.18

### Wellbore Targets

#### Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
N-35-8-16 TGT	0.00	0.00	5,300.0	789.0	-466.0	7,198,932.11	2,034,668.11	40° 4' 27.867 N	110° 5' 27.814 W
- actual wellpath misses by 23.8ft at 5393.3ft MD (5297.7 TVD, 787.6 N, -489.6 E)									
- Circle (radius 75.0)									

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_



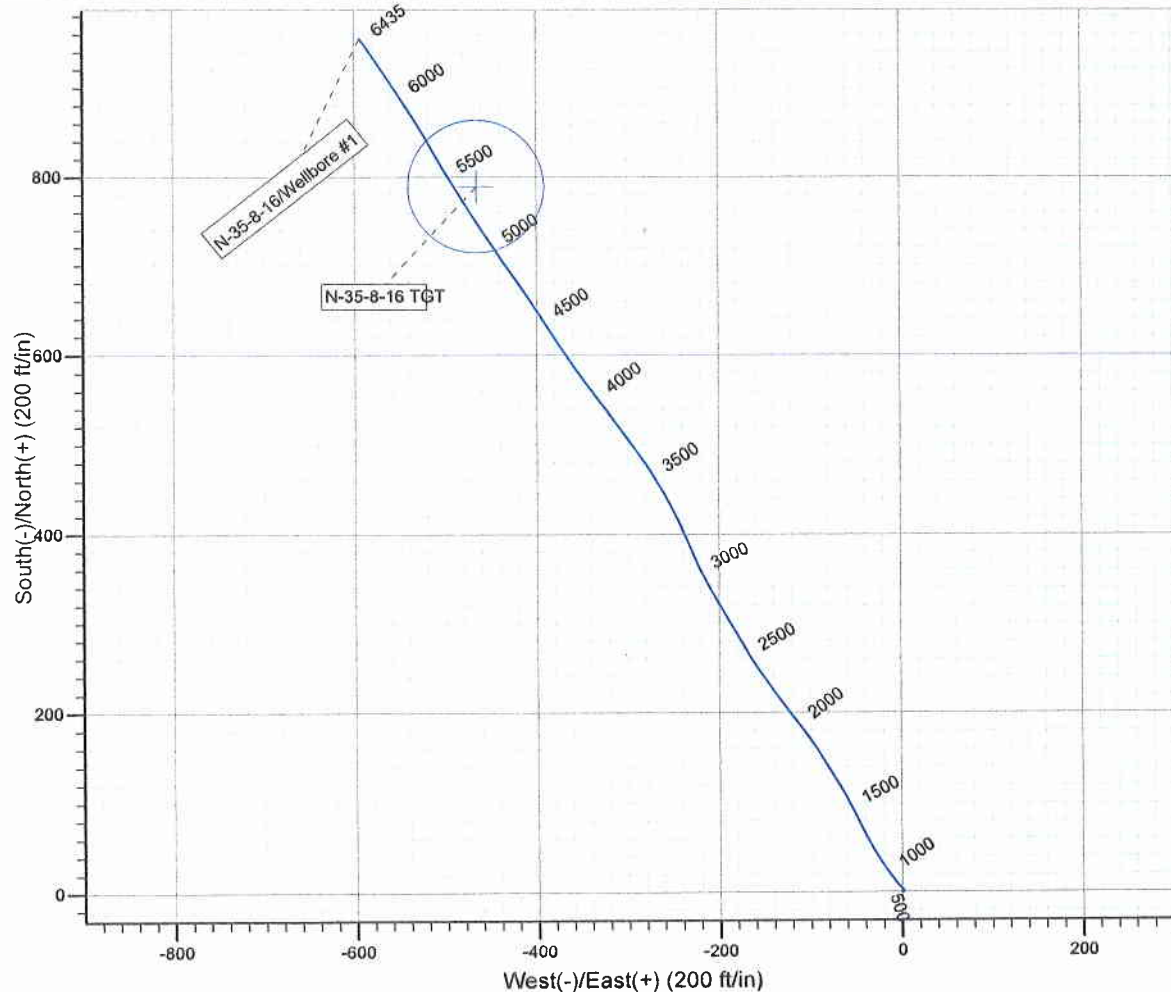
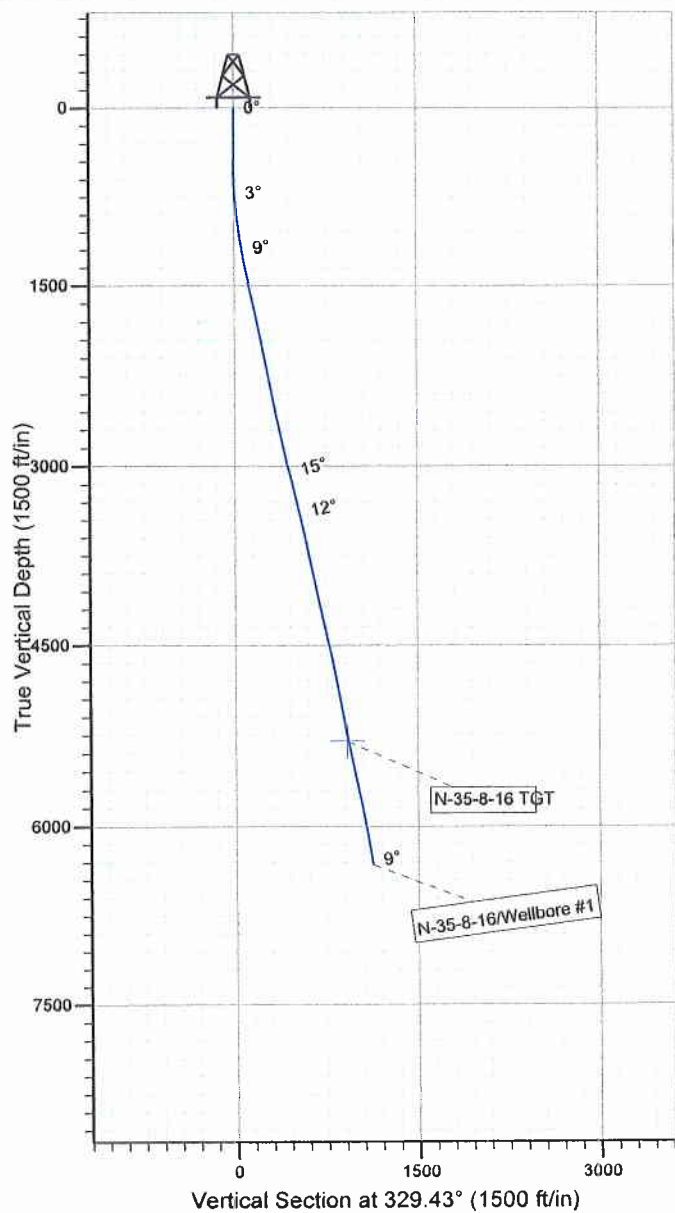
Project: USGS Myton SW (UT)  
Site: SECTION 35 T8S, R 16E  
Well: N-35-8-16  
Wellbore: Wellbore #1  
SURVEY: Wellbore #1

FINAL SURVEY REPORT



Azimuths to True North  
Magnetic North: 11.52°

Magnetic Field  
Strength: 52473.4snT  
Dip Angle: 65.86°  
Date: 2009/10/26  
Model: IGRF200510



HATHAWAY <sup>HB</sup> BURNHAM  
DIRECTIONAL & MWD SERVICES

Design: Wellbore #1 (N-35-8-16/Wellbore #1)

Created By: *Jim Hudson* Date: 16:19, December 03 2009  
THIS SURVEY IS CORRECT TO THE BEST OF MY  
KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.

**Daily Activity Report****Format For Sundry****MON BT N-35-8-16****9/1/2009 To 1/30/2010****MON BT N-35-8-16****Waiting on Cement****Date:** 10/15/2009

Ross #21 at 321. Days Since Spud - 7 jts of 8 5/8" Csg. w/ guide shoe & baffle plate / Land @ 321.34' KB - BLM and State were notified by email - On 10-14-09 BJ cemented w/ 160 sks. Class G w/ 2% CaCL / 7 bbls cement to pit - 9:00 Am 10-13-09 Ross #21 spud the Monument Butte N-35-8-16 , Drill 315' of 12 1/4" hole PU & run

**Daily Cost:** \$0**Cumulative Cost:** \$42,956

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**MON BT N-35-8-16****Drill 7 7/8" hole with fresh water****Date:** 11/8/2009

Capstar #328 at 1226. 1 Days Since Spud - Drill 7 7/8 hole with fresh wtr to 909' - Install rotating head - Drill 7 7/8 hole with fresh wtr to 1226' - PU BHA scribe mtr & TIH & Tag cmt @ 255' - Test bops - Rig down - Move Rig to MBF N-35-8-16 on 11/8/09 - Nipple up bops

**Daily Cost:** \$0**Cumulative Cost:** \$80,405

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**MON BT N-35-8-16****TOOH****Date:** 11/9/2009

Capstar #328 at 3722. 2 Days Since Spud - Rig sevice - Drill 7 7/8" hole with fresh water to the depth of 3722' Pressure spike 3160 psi - Circulate for trip - Trip out of hole - Drill 7 7/8" hole with fresh water to the depth of 2358'

**Daily Cost:** \$0**Cumulative Cost:** \$118,422

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**MON BT N-35-8-16****Drill 7 7/8" hole with fresh water****Date:** 11/10/2009

Capstar #328 at 4696. 3 Days Since Spud - Trip out of hole M.M. locked up - Lay down M.M. - Pick up new M.M. and trip in hole - Rig service - Drill 7 7/8" hole with fresh water to the depth of 4403' - Rig service - Drill 7 7/8" hole with fresh water to the depth of 4996' - Drill 7 7/8" hole with fresh water to the depth of 4132'

**Daily Cost:** \$0**Cumulative Cost:** \$146,650

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**MON BT N-35-8-16****Drill 7 7/8" hole with fresh water****Date:** 11/11/2009

Capstar #328 at 5717. 4 Days Since Spud - Drill 7 7/8" hole with fresh water to the depth of 5128' - Rig service - Drill 7 7/8" hole with fresh water to the depth of 5717'

**Daily Cost:** \$0**Cumulative Cost:** \$164,767

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**MON BT N-35-8-16****Logging****Date:** 11/12/2009

Capstar #328 at 6435. 5 Days Since Spud - Circulate - Lay down DP,Dir tools and BHA - Drill 7 7/8" hole with fresh water to the depth of 6435' TD - Rig service - funtion test pipe rams

and crownomatic - Drill 7 7/8" hole with fresh water to the depth of 6170' - R/U Psi and log well (loggers TD 6438')

**Daily Cost:** \$0

**Cumulative Cost:** \$195,606

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**MON BT N-35-8-16****Wait on Completion**

**Date:** 11/13/2009

Capstar #328 at 6435. 6 Days Since Spud - Circulate csg w/ rig pump - R/U BJ and cmt 280sks lead 11ppb and 425sks 14.4 ppb return 40bbbls to pit - Nipple down set slips - clean Mud tanks - Tear down - R/U and run 153jts of 5.5 j-55 15.5# tag @ 6436' Set @ 6423.12'

**KB Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$289,580

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**Pertinent Files: Go to File List**



**Daily Activity Report****Format For Sundry****MON BT N-35-8-16****10/1/2009 To 2/28/2010****11/23/2009 Day: 1****Completion**

Rigless on 11/23/2009 - Ran CBL & shot 1st stage. - Install 5m frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6336' & cement top @ 56'. Perforate stage #1, CP4 sds @ 6313-20' w/ 3-1/8" Slick Guns (19 gram, .49"EH. 120°) w/ 3 spf for total of 21 shots. 151 BWTR. SWIFN.

**Daily Cost:** \$0**Cumulative Cost:** \$10,599

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**12/4/2009 Day: 2****Completion**

Rigless on 12/4/2009 - Frac & flowback 6 stages. - Stage #1, CP4 sands. RU BJ Services. 29 psi on well. Frac CP4 sds w/ 35,509#'s of 20/40 sand in 228 bbls of Lightning 17 fluid. Broke @ 3701 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2964 psi @ ave rate of 39.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISDP 2085 psi. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 2-2' & 4' perf guns. Set plug @ 6090'. Perforate CP1 sds @ 6031-35' & CP.5 sds @ 5984-86 & 5976-78' w/ 3 1/8" slick guns ( 16 gram .34" EH 21.00" pen) w/ 3 spf for total of 24 shots. 595 BWTR - Stage #2, CP1 & CP.5 sands. RU BJ Services. 1528 psi on well. Frac CP1 & CP.5 sds w/ 14,873#'s of 20/40 sand in 124 bbls of Lightning 17 fluid. Broke @ 3438 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 3256 psi @ ave rate of 27.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISDP 2181 psi. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 7' & 4' perf guns. Set plug @ 5770'. Perforate LODC sds @ 5719-26' & A3 sds @ 5573-77' w/ 3 1/8" slick guns ( 16 gram .34" EH 21.00" pen) w/ 3 spf for total of 33 shots. 894 BWTR - Stage #3, LODC & A3 sands. RU BJ Services. 1807 psi on well. Frac LODC & A3 sds w/ 24,774#'s of 20/40 sand in 211 bbls of Lightning 17 fluid. Broke @ 2241 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 3088 psi @ ave rate of 40.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISDP 2606 psi. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 8' & 2' perf guns. Set plug @ 5470'. Perforate B2 sds @ 5414-22' & C sds @ 5274-76' w/ 3 1/8" slick guns ( 16 gram .34" EH 21.00" pen) w/ 3 spf for total of 30 shots. 1269 BWTR - Stage #4, B2 & C sands. RU BJ Services. 1854 psi on well. Frac B2 & C sds w/ 35,618#'s of 20/40 sand in 234 bbls of Lightning 17 fluid. Broke @ 2812 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 3180 psi @ ave rate of 40.4 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISDP 2623 psi. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 2-3' & 5' perf guns. Set plug @ 5210'. Perforate D2 sds @ 5162-65' & D1 sds @ 5111-14 & 5097-5102' w/ 3 1/8" slick guns ( 16 gram .34" EH 21.00" pen) w/ 3 spf for total of 33 shots. 1655 BWTR - Stage #5, D2 & D1 sands. RU BJ Services. 2050 psi on well. Frac D2 & D1 sds w/ 90,633#'s of 20/40 sand in 383 bbls of Lightning 17 fluid. Broke @ 2281 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 3036 psi @ ave rate of 45 BPM. Pumped 504 gals of 15% HCL in flush for Stage #6. ISDP 2970 psi. Leave pressure on well. RU PSI WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 6', 3' & 2' perf guns. Set plug @ 4670'. Perforate GB6 sds @ 4614-20' & GB4 sds @ 4576-79 & 4562-64' w/ 3 1/8" slick guns ( 16 gram .34" EH 21.00" pen) w/ 3 spf for total of 33 shots. 2352 BWTR

- Stage #6, GB6 & GB4 sands. RU BJ Services. 2108 psi on well. Frac GB6 & GB4 sds w/ 100,094#'s of 20/40 sand in 595 bbls of Lightning 17 fluid. Broke @ 2800 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2819 psi @ ave rate of 43.2 BPM. ISDP 2155 psi. 3093 BWTR. Open well for immediate flowback @ 3 BPM. Well flowed for 10 hours & turned to oil & gas. Recovered 1440 bbls. 1653 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$112,484

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**12/5/2009 Day: 3****Completion**

Rigless on 12/5/2009 - Set kill plug & 4500'. - RU hot oiler & thaw wellhead. Check pressure on well, 1300 psi. Pump 40 BW down csg @ 200°. RU Perforators LLC WLT. RIH w/ 6K solid plug & set plug @ 4500'. POOH w/ WL. RD WLT & hot oiler. Bleed pressure from well. SWIFN. 1693 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$119,232

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**12/8/2009 Day: 4****Completion**

Rigless on 12/8/2009 - MIRUSU. Change out BOP & wellheads. Start picking up tbq. - MIRUSU. X- over to tbq eq. ND frac head & BOP. NU production head & BOP. RU rig floor. PU & talley w/ chomp bit & 115- jts 2 7/8. TOH w/ 10- jts 2 7/8. SDFD.

**Daily Cost:** \$0

**Cumulative Cost:** \$126,754

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**12/9/2009 Day: 5****Completion**

Rigless on 12/9/2009 - Start drilling out kill plug @ 4500'. - RU D&M hot oil to thaw well. OWU. 0 psi on well. PU TIH talleying w/ 23- jts 2 7/8. Tag kill plug @ 4500'. RU nabor power swivel. Drill through kill plug. Well started to flow oil & gas. Circulate oil & gas out of well. SDFD. 400 bbls wtr gain for the day.

**Daily Cost:** \$0

**Cumulative Cost:** \$162,804

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**12/10/2009 Day: 6****Completion**

NC #3 on 12/10/2009 - Cont drilling out plugs. - RU D&M hot oil to thaw well. OWU. 1300 psi on csg, & 1600 psi on tbq. Circulate out oil & gas. TIH w/ tbq to plug @ 4670'. No fill on plug. Drill out plug. Circulate out oil & gas. TIH w/ tbq to plug @ 5210'. No fill on plug. Drill out plug. EOT @ 5225'. SDFD. (400 BBLS WTR GAIN FOR DAY). - RU D&M hot oil to thaw well. OWU. 1200 psi on csg, & 1100 psi on tbq. Circulate out oil & gas. TIH w/ tbq to plug @ 5470'. No fill on plug. Drill out plug. Circulate out oil & gas. TIH w/ tbq to plug @ 5770'. No fill on plug. Drill out plug. EOT @ 5780'. SDFD. ( 250 BBL WATER GAIN FOR THE DAY). - RU D&M hot oil to thaw well. OWU. 1300 psi on csg, & 1600 psi on tbq. Circulate out oil & gas. TIH w/ tbq to plug @ 4670'. No fill on plug. Drill out plug. Circulate out oil & gas. TIH w/ tbq to plug @ 5210'. No fill on plug. Drill out plug. EOT @ 5225'. SDFD. (400 BBLS WTR GAIN FOR DAY). - RU D&M hot oil to thaw well. OWU. 1200 psi on csg, & 1100 psi on tbq. Circulate out oil & gas. TIH w/ tbq to plug @ 5470'. No fill on plug. Drill out plug. Circulate out oil & gas. TIH w/ tbq to plug @ 5770'. No fill on plug. Drill out plug. EOT @ 5780'. SDFD. ( 250 BBL WATER GAIN FOR THE DAY).

**Daily Cost:** \$0

**Cumulative Cost:** \$169,694

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**12/11/2009 Day: 8****Completion**

NC #3 on 12/11/2009 - Cont drill out plugs & clean out to PBTD. - RU Zubiate hot oil to thaw well. OWU. 1100 psi on csg, & 900 psi on tbg. Circulate out oil & gas. TIH w/ tbg to plug @ 6090'. No fill on plug. Drill out plug. Circulate out oil & gas. TIH w/ tbg to fill @ 6293'. Clean out fill to PBTD @ 6378'. RD power swivel. LD 3- jts 2 7/8. Flow back up csg 100 bbls fluid w/ 40% oil & gas. PU TIH w/ 3- jts 2 7/8. Tag PBTD @ 6378'. No new fill. LD w/ 8- jts 2 7/8. EOT @ 6261'. SDFD. (300 bbls fluid gain for the day).

**Daily Cost:** \$0

**Cumulative Cost:** \$185,104

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**12/15/2009 Day: 9****Completion**

NC #3 on 12/15/2009 - Pump brine water & trip for production. - RU Zubiate hot oil to thaw well. OWU. 1150 psi on csg, & 1000 psi on tbg. Circulate out oil & gas w/ 320 bbls 10# brine water @ 150°. Csg will not die. Attempt to bleed gas off csg. No luck. Decision was made to put well flowing up flow line. ND circulating head. NU B-12 adapter flange to BOP. RU flowline & choke line. Flow well up tbg w/ 15/64 choke @ 20 bbls hr. Put well flowing @ 6:00. RDMOSU. (EOT @ 6263' w/ 182- jts 2 7/8 & bit & bit sub).

**Daily Cost:** \$0

**Cumulative Cost:** \$205,682

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**1/20/2010 Day: 10****Completion**

NC #2 on 1/20/2010 - Kill well w/ 10 # brine wtr. Tag fill. - MIRUSU NC # 2. Pump 120 bbls 10# brine w/ hot oiler. Check well flow. Still flowing oil & gas mix. RU rig pump. Pump 60 bbls 10# brine. Check well flow. Well standing dead. RU workfloor. Pick up 4 jts tbg to tag PBTD @ 6380'. No new fill. TOOH w/ 192 jts 2 7/8" J-55 tbg. Get out of hole w/ tbg. LD bit & bit sub. MU btm hole assembly. TIH w/ production tbg detail as follows. 2 7/8" bullplug & collar, 3 jts tbg, PBGA, 1 jt tbg, PSN, 2 jts tbg, & 186 jts tbg. RD workfloor. ND BOP. Set TAC. MU B-1 adapter flange. Land tbg on wellhead flange w/ 18000# tension. SDFN

**Daily Cost:** \$0

**Cumulative Cost:** \$217,157

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**1/21/2010 Day: 11****Completion**

NC #2 on 1/21/2010 - PU rod string. PWOP - Hot oiler had flushed tbg w/ 60 bbls 10# brine @ 150°. Open tbg. TBG on vaccum. X-over to rod equipment. PU & prime new Central Hydraulic 2 1/2" x 1 3/4" x 20' x 24' RHAC pump. PU & TIH w/ rod detail @ follows. 4 - 1 1/2" wt bars & 241 - 7/8" guided rods (8 per). PU new 1 1/2" x 30' polished rod. Seat pump. RU pumping unit. Fill & test tbg to 200 psi w/ 5 bw. Stroke test pump to 800 psi w/ unit. RDMOSU NC #2. PWOP @ 12:30 PM W/ 142" SL @ 7 SPM FINAL REPORT! EST WTR 245 BBLS

**Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$253,700

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**Pertinent Files: Go to File List**